

# STATE OF THE REGION

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## 2026 REPORT

LOCAL CAREER ARTICULATION AGREEMENT INVENTORY ANALYSIS

  
**STUDENT SUCCESS  
CENTER**

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# I. INTRODUCTION

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Florida has built one of the most extensive articulation ecosystems in the nation, spanning secondary and postsecondary Career and Technical Education (CTE), which includes, public school districts, district technical colleges (also referred to as career centers) and Florida College System (FCS) institutions. Credentials issued include industry certifications, clock hour certificates, college credit certificates and both associate in science and workforce bachelor's degrees. This report provides a comprehensive view of how the articulation system pathways are currently structured, how they are being implemented across regions and institutions and how effectively they are supporting student progression and workforce outcomes. This report addresses information gathered from an inventory of existing articulation agreements, regional roundtables with district and college CTE staff and a data analysis of student usage and outcomes of the existing agreements.

In May 2025, each district technical college and FCS institution was asked to submit data on all statewide career-related articulation agreements and all active local career articulation agreements not required for state reporting. The types of agreements are listed below.

- Applied Technology Diploma (ATD) to Associate in Science (AS) or Associate in Applied Science (AAS) Degree Agreements.
- Gold Standard Career Pathways Articulation Agreements (Industry Certification to AS/AAS Degree Agreements)
- Statewide Articulation Agreements (Career Certificate Program to AS/AAS Degree Agreements)
- Additional Local Career Agreements not submitted to the Department of Education

While this request was being completed, the Florida Student Success Center hosted three regional roundtables for college leaders to discuss what is currently working with institutional agreements and present other opportunities to enhance agreements. Several focus groups were held with district technical and state college leaders during regional convenings to provide a more nuanced understanding of statewide, regional and college-specific challenges with pathway and articulation agreement implementation. These findings illuminate how Florida's articulation agreements function as promoters of labor market growth and opportunities for students to advance their education.

This report provides an overview of the landscape of Florida's credentials and articulation processes, as well as an in-depth analysis of how the most recent cohorts of First-Time in College (FTIC) FCS students utilize pathways and continue to advance their education. Using articulation agreement inventories submitted by districts and colleges, along with longitudinal student-level data from the Florida Department of Education's Bureau of PK-20 Education Reporting and Accessibility (PERA) datasets (WDIS and FCS), the analysis highlights both strong system assets and key opportunities to improve return on investment for students and the state.

## II. EXECUTIVE SUMMARY

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### **What the Agreement Data Show**

Florida institutions reported thousands of active articulation agreements, reflecting deep engagement with statewide career pathways, Gold Standard industry certifications, Applied Technology Diploma (ATD) to Associate in Science (AS) or Associate in Applied Science (AAS) degree transitions and locally developed career agreements. Collectively, these agreements demonstrate a strong commitment to workforce alignment and credit for prior learning.

However, the distribution of agreements is uneven by region, institution and career cluster. Activity is heavily concentrated in a small number of fields, particularly Information Technology, Manufacturing, Health Sciences and Public Safety, while other high-need areas such as Education, Hospitality, Agriculture and some technical trades show limited articulation coverage. Agreement volume and credit value also vary widely across institutions for similar credentials, creating inconsistent student experiences.

Just as important, the review of the articulation agreement inventory reveals operational gaps in reporting, including incomplete documentation, inconsistent terminology, missing articulated credit values and limited publication of program level articulation maps. These issues reduce clarity for students and advisors and make statewide monitoring and scaling more difficult.

### **What the Longitudinal Student Data Make Clear**

The student data analysis adds a critical outcome lens to the agreement inventory. While large numbers of students earn industry certifications and complete district technical programs, only a small share of these students continue into aligned FCS degree programs. In most regions, fewer than 10 percent of district CTE completers enroll in the FCS ten years after receiving their credential, even in high-demand fields such as health care, IT and public safety.

Where students do continue, outcomes differ sharply based on how articulation is implemented. The data show that:

- Seventy-two percent of students who received articulated or accelerated credit completed programs compared to only 40% of students who did not receive articulation or accelerated credit.
- Institutions and regions that offer complete local pathways (first credential plus aligned AS/AAS degree) show stronger continuation and completion rates.
- Pathways awarding larger blocks of program-applicable credit are associated with increased likelihood of completion, while agreements that award only small amounts of credit (often 3–9 credits) rarely provide enough incentive to drive further enrollment.

These findings align closely with Office of Program Policy Analysis and Government Accountability's (OPPAGA) and national research: articulation agreements alone do not guarantee student progression. Geographic alignment, meaningful credit value, consistent transcription practices and clear advising are decisive factors.

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## Why This Matters for Florida

Taken together, the agreement and student data tell a consistent story. Florida's articulation framework is robust in design but sometimes under-leveraged in practice. The state has already invested in policies, agreements and infrastructure that could significantly accelerate credential attainment and workforce supply. The primary challenge is not creating more agreements, but ensuring that existing agreements are implemented consistently, transparently and in ways that meaningfully reduce time to completion.

From a leadership perspective, the data point to several system-level imperatives:

- Work collaboratively to regularly review agreements and work with regional institutions to identify opportunities to close regional gaps by enhancing or creating other agreements so students can complete full pathways locally.
- Increase the program-level value of articulation, not just the volume of agreements.
- Standardize data, terminology and credit practices to reduce significant institutional variation.
- Improve visibility for students, advisors and employers so articulated credit is actually used.

## Bottom Line

Florida's articulation system is a strategic asset for workforce development and educational mobility. The articulation agreement inventory demonstrates scale and commitment, and the student data demonstrate where impact is being realized and where it is falling short. By strengthening regional alignment, increasing the consistency and value of articulated credit and improving transparency and communication, Florida can convert its extensive articulation infrastructure into measurable increases in student progression, credential completion and workforce readiness statewide.

The following visual summary highlights key findings by articulation agreement type. It provides a high-level snapshot of agreement volume, distribution and notable patterns for each category.

### III. KEY FINDINGS

| OUTCOME AREA                                        | KEY FINDINGS FROM STUDENT-LEVEL DATA                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Continuation from District CTE to FCS</b>        | <ul style="list-style-type: none"> <li>Across regions, typically fewer than 10% of district technical certificate completers enroll in the FCS.</li> <li>In high-demand fields (Health Sciences, IT, Public Safety), continuation generally remains under 10%.</li> <li>Early Childhood Education is a notable exception, with continuation exceeding 16%, indicating stronger pathway alignment.</li> </ul>                                      |
| <b>Impact of Articulated and Accelerated Credit</b> | <ul style="list-style-type: none"> <li>FTIC students with articulated or accelerated credit complete at higher rates than peers without credit (consistent statewide pattern).</li> <li>Students receiving credit early in their academic record show stronger persistence and completion than those whose credit is posted later.</li> <li>Institutions awarding larger credit amounts per student show stronger completion outcomes.</li> </ul> |
| <b>Credit Value and Incentive Strength</b>          | <ul style="list-style-type: none"> <li>Many statewide agreements award only 3–9 credits, representing roughly 4%–12% of a 72-credit AS degree.</li> <li>ATD → AS/AAS pathways award an average of 31.4 credits, fulfilling 43.5% of degree requirements.</li> <li>Articulation ranges widely from 16.4% to 71.4% of an AS/AAS degree for ATDs.</li> </ul>                                                                                         |
| <b>Regional Pathway Availability</b>                | <ul style="list-style-type: none"> <li>Regions offering both the first credential and aligned AS/AAS degree locally show the highest continuation and completion.</li> <li>Regions lacking the second credential locally experience sharply reduced continuation, consistent with national research findings.</li> <li>The strongest regional alignment was observed in the Miami-Dade, Broward and Orange/Valencia service areas.</li> </ul>     |
| <b>ATD → AS/AAS Outcomes</b>                        | <ul style="list-style-type: none"> <li>64 formal ATD → AS/AAS agreements identified statewide.</li> <li>Average AS degree length: 72.4 credits.</li> <li>Highest-credit pathways include Paramedic (42 credits) and Dental Assisting (up to 50 credits).</li> </ul>                                                                                                                                                                               |
| <b>Utilization vs. Availability Gap</b>             | <ul style="list-style-type: none"> <li>Despite large volumes of credential earners, only a small share continue into aligned degree programs.</li> </ul>                                                                                                                                                                                                                                                                                          |

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| OUTCOME AREA                              | KEY FINDINGS FROM STUDENT-LEVEL DATA                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Institutional Practice Variability</b> | <ul style="list-style-type: none"><li>• Credit transcription timing and application vary widely across institutions.</li><li>• Students receiving articulated credit late in their program show weaker momentum than those receiving credit at or near entry.</li><li>• Inconsistent practices reduce the effective value of statewide guarantees.</li></ul>                                                                                |
| <b>Workforce Implications</b>             | <ul style="list-style-type: none"><li>• Under-utilization of articulation represents a missed opportunity to accelerate completion without new program creation.</li><li>• Increasing articulated credit from single-digit to block credit levels (30+ credits) is associated with stronger progression and completion.</li><li>• Better implementation could substantially increase credential attainment in high-demand fields.</li></ul> |

## IV. SUMMARY OF 2025 AGREEMENT INVENTORY AND STUDENT OUTCOMES

| FOCUS AREA                           | AGREEMENT INVENTORY – WHAT EXISTS                                                                        | STUDENT OUTCOMES – WHAT EXISTS                                                                                                                                                            |
|--------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Overall Scale</b>                 | ~3,900+ total articulation agreements statewide across all types                                         | High volume of agreements does not translate to high utilization or progression                                                                                                           |
| <b>Gold Standard Career Pathways</b> | 1,951 agreements <ul style="list-style-type: none"> <li>• 627 IT</li> <li>• 351 Manufacturing</li> </ul> | Student data indicate that continuation from industry certification attainment into aligned FCS degree programs typically remains below 10 percent and is often in the low single digits. |
| <b>Statewide Career Pathways</b>     | 342 agreements (FCS), 99 agreements (District Technical Colleges)                                        | Continuation from secondary CTE programs to FCS remains less than 10% statewide                                                                                                           |
| <b>ATD → AS/AAS Pathways</b>         | 64 agreements<br>Avg. articulation: 31.4 credits                                                         | Avg. 43.5% of AS degree fulfilled at entry<br>Range: 16.4%–71.4%                                                                                                                          |
| <b>Typical Credit Award</b>          | 3–9 credits for most statewide agreements (~4%–12% of AS degree)                                         | Small credit awards show limited influence on continuation or completion                                                                                                                  |
| <b>High-Impact Pathways</b>          | Paramedic, Dental Assisting, EMT, Medical Coder/Biller                                                   | 42–50 credits awarded in strongest pathways show higher completion rates                                                                                                                  |
| <b>Regional Distribution</b>         | Agreement counts vary widely by region and institution                                                   | Best outcomes are where both credentials are available locally                                                                                                                            |
| <b>Implementation Practices</b>      | Documentation and credit values vary across institutions                                                 | Early credit posting linked to higher completion<br>Late transcription reduces impact                                                                                                     |
| <b>Completion Outcomes</b>           | Agreements exist across most major workforce clusters                                                    | Only 8.1% enroll in second credential within 3 years. Approximately 5% complete second credential.                                                                                        |

## V. STRATEGIC OPPORTUNITIES SUMMARY

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Findings from the Regional Roundtables reveal several systemic challenges that influence articulation implementation. Participants reported inconsistent use of terminology across institutions, leading to confusion for students and advisors, mostly stemming from the classification of instructional programs (CIP). They also emphasized that many institutions lack clearly documented internal processes for awarding articulated credit, resulting in delays or inconsistent transcription practices. These operational differences directly affect whether students receive credit early enough to support timely progression and degree completion. Incorporating clearer terminology for similar instructional programs, standardized documentation and consistent communication practices emerged as priority needs across regions.

This summary outlines the key recommendations to strengthen articulation processes, improve transparency and visibility and ensure alignment with workforce needs.

Roundtable feedback reinforces these strategic opportunities by underscoring the need for improved clarity, shared terminology and consistent faculty and advisor training across institutions related to the classification of instructional programs. Participants noted that even well-designed statewide agreements fall short when students and frontline staff are not aware of how credit applies or when inconsistencies exist between regional partners. Strengthening communication protocols, creating common advising resources and developing statewide training modules were identified as critical supports for sustaining high-quality implementation.

| RECOMMENDATION AREA                       | KEY RECOMMENDATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gold Standard Career Pathways</b>      | <ul style="list-style-type: none"> <li>• Publish local credit award ranges for industry certifications.</li> <li>• Increase agreements in low-coverage fields (Education, Hospitality, Arts).</li> <li>• Require institutions to publish clear articulation maps.</li> <li>• Engage industry partners in validating certification-to-degree alignments.</li> <li>• Create a centralized web location to review agreements throughout the state.</li> </ul>                                   |
| <b>Statewide Career Pathways</b>          | <ul style="list-style-type: none"> <li>• Standardize minimum credit values for given award types across institutions.</li> <li>• Publish program-level articulation maps for student clarity.</li> <li>• Strengthen regional partnerships for alignment to local workforce needs.</li> <li>• Expand articulation in clusters with low articulation activity (Education, Hospitality, Arts).</li> <li>• Develop a public-facing web location for agreement availability and usage.</li> </ul> |
| <b>ATD → AS/AAS Agreements</b>            | <ul style="list-style-type: none"> <li>• Clarify transfer credit for students via program-specific articulation maps.</li> <li>• Ensure consistent implementation of guaranteed transfer policy statewide.</li> <li>• Track institutional gaps and progress.</li> <li>• Design ATD programs as part of stackable credential pathways.</li> </ul>                                                                                                                                             |
| <b>Additional Local Career Agreements</b> | <ul style="list-style-type: none"> <li>• Standardize data collection practices and instruments for all program and credential types.</li> <li>• Validate articulated credit values to correct anomalies.</li> <li>• Require complete partner information and eliminate placeholders.</li> <li>• Align CIP codes with program names for accurate workforce analysis.</li> </ul>                                                                                                               |

# VI. GOLD STANDARD ARTICULATION AGREEMENT ANALYSIS

Florida’s Gold Standard Career Pathways articulation policy provides a structured process for awarding postsecondary credit to students who earn an approved industry certification. These students are eligible to receive articulated credit toward an Associate in Science (AS) or Associate in Applied Science (AAS) degree at an FCS institution. The policy bridges noncredit and credit-bearing pathways, enabling more efficient student progression into higher education and workforce-aligned credentialing.

Pursuant to Section 1008.44(4)(c) Florida Statutes, the Office of Articulation conducts a review of Gold Standard agreements with FCS institutions. After which, the Articulation Coordinating Committee (ACC) reviews statewide articulation agreement proposals annually for industry certifications. Once approved, the certifications are added to Florida’s Gold Standard Crosswalk, which ensures consistency in the awarding of credit statewide.

This process strengthens the link between education and employment by aligning nationally recognized credentials with college-level learning, reducing redundancy and supporting stackable credential pathways. Ultimately, Gold Standard agreements help students accelerate time to degree, reduce costs and enter the workforce with industry-validated skills and college credit in hand.

## A. SUMMARY STATISTICS - MAY 2025 GOLD STANDARD CAREER PATHWAYS

|                                           |                                         |
|-------------------------------------------|-----------------------------------------|
| Total Number of Agreements                | 1,951                                   |
| Agreements at FCS Institutions            | 1,392                                   |
| Agreements at District Technical Colleges | 559                                     |
| Most Common Career Cluster                | Information Technology (627 agreements) |
| Second Most Common Cluster                | Manufacturing (351 agreements)          |
| Average % of Degree Fulfilled             | 6.0–6.4%                                |

Highest Number of Gold Standard Articulation Agreements by Institution as of May 2025.

| INSTITUTION                   | AGREEMENTS |
|-------------------------------|------------|
| Valencia College              | 141        |
| Tallahassee State College     | 136        |
| Pensacola State College       | 123        |
| Daytona State College         | 119        |
| Eastern Florida State College | 108        |
| Indian River State College    | 99         |
| Santa Fe College              | 94         |
| Pasco Hernando State College  | 93         |
| Seminole State College        | 92         |
| Immokalee Technical College   | 87         |

Number of Gold Standard Articulation Agreements by Sector and Career Cluster as of May 2025.

| CAREER CLUSTER                                 | SECTOR       | AGREEMENTS |
|------------------------------------------------|--------------|------------|
| <b>Agriculture, Food and Natural Resources</b> | FCS          | 10         |
|                                                | Tech*        | 7          |
|                                                | <b>Total</b> | <b>17</b>  |
| <b>Architecture and Construction</b>           | FCS          | 76         |
|                                                | Tech         | 73         |
|                                                | <b>Total</b> | <b>149</b> |
| <b>Arts, A/V Technology and Communication</b>  | FCS          | 58         |
|                                                | Tech         | 10         |
|                                                | <b>Total</b> | <b>68</b>  |
| <b>Business Management and Administration</b>  | FCS          | 132        |
|                                                | Tech         | 26         |
|                                                | <b>Total</b> | <b>158</b> |
| <b>Education and Training</b>                  | FCS          | 16         |
|                                                | Tech         | 7          |
|                                                | <b>Total</b> | <b>23</b>  |
| <b>Energy</b>                                  | FCS          | 2          |
|                                                | Tech         | 3          |
|                                                | <b>Total</b> | <b>5</b>   |
| <b>Health Science</b>                          | FCS          | 113        |
|                                                | Tech         | 66         |
|                                                | <b>Total</b> | <b>179</b> |

\* Tech = Technical College

| CAREER CLUSTER                                    | SECTOR       | AGREEMENTS  |
|---------------------------------------------------|--------------|-------------|
| <b>Hospitality and Tourism</b>                    | FCS          | 29          |
|                                                   | Tech         | 42          |
|                                                   | <b>Total</b> | <b>71</b>   |
| <b>Information Technology</b>                     | FCS          | 502         |
|                                                   | Tech         | 125         |
|                                                   | <b>Total</b> | <b>627</b>  |
| <b>Law, Public Safety and Security</b>            | FCS          | 105         |
|                                                   | Tech         | 11          |
|                                                   | <b>Total</b> | <b>116</b>  |
| <b>Manufacturing</b>                              | FCS          | 282         |
|                                                   | Tech         | 69          |
|                                                   | <b>Total</b> | <b>351</b>  |
| <b>Marketing</b>                                  | FCS          | 3           |
|                                                   | <b>Total</b> | <b>3</b>    |
| <b>Transportation, Distribution and Logistics</b> | FCS          | 64          |
|                                                   | Tech         | 120         |
|                                                   | <b>Total</b> | <b>184</b>  |
| <b>Grand Total</b>                                |              | <b>1951</b> |

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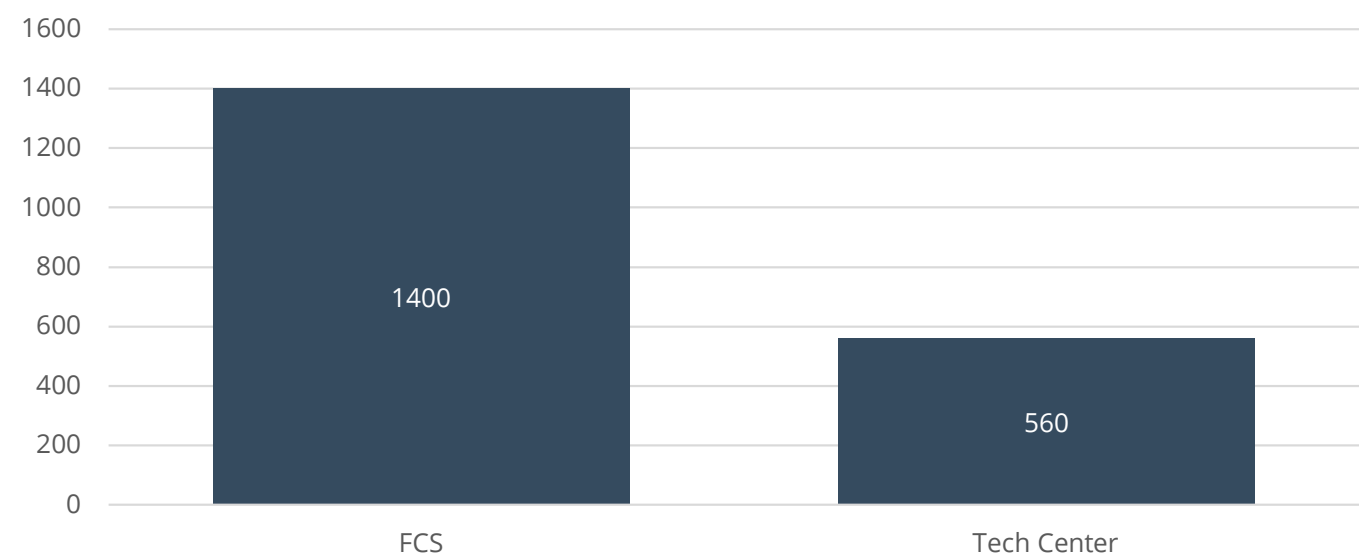
## B. ANALYSIS OF CURRENT GOLD STANDARD CAREER PATHWAY AGREEMENTS AND THE NUMBER OF CREDITS AWARDED

This table demonstrates how Gold Standard Agreements facilitate articulation of minimum and maximum credit hours across career clusters.

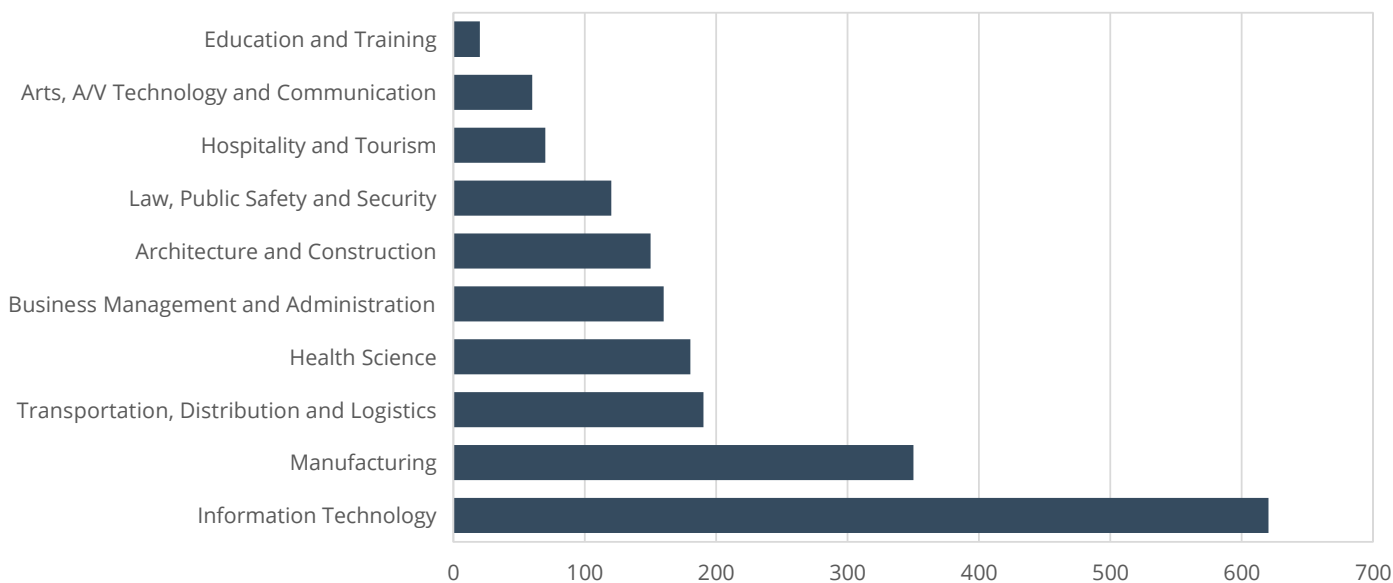
| CAREER CLUSTER                             | MINIMUM CREDITS AWARDED | MAXIMUM CREDITS AWARDED |
|--------------------------------------------|-------------------------|-------------------------|
| Agriculture, Food and Natural Resources    | 3                       | 6                       |
| Architecture and Construction              | 3                       | 17                      |
| Arts, A/V Technology and Communication     | 3                       | 20                      |
| Business Management and Administration     | 3                       | 21                      |
| Education and Training                     | 3                       | 12                      |
| Energy                                     | 0                       | 0                       |
| Health Science                             | 1                       | 50                      |
| Hospitality and Tourism                    | 2                       | 9                       |
| Information Technology                     | 3                       | 12                      |
| Law, Public Safety and Security            | 3                       | 27                      |
| Manufacturing                              | 1                       | 18                      |
| Marketing                                  | 3                       | 3                       |
| Transportation, Distribution and Logistics | 1                       | 45                      |

C. DASHBOARD VISUALIZATIONS: GOLD STANDARD CAREER PATHWAYS

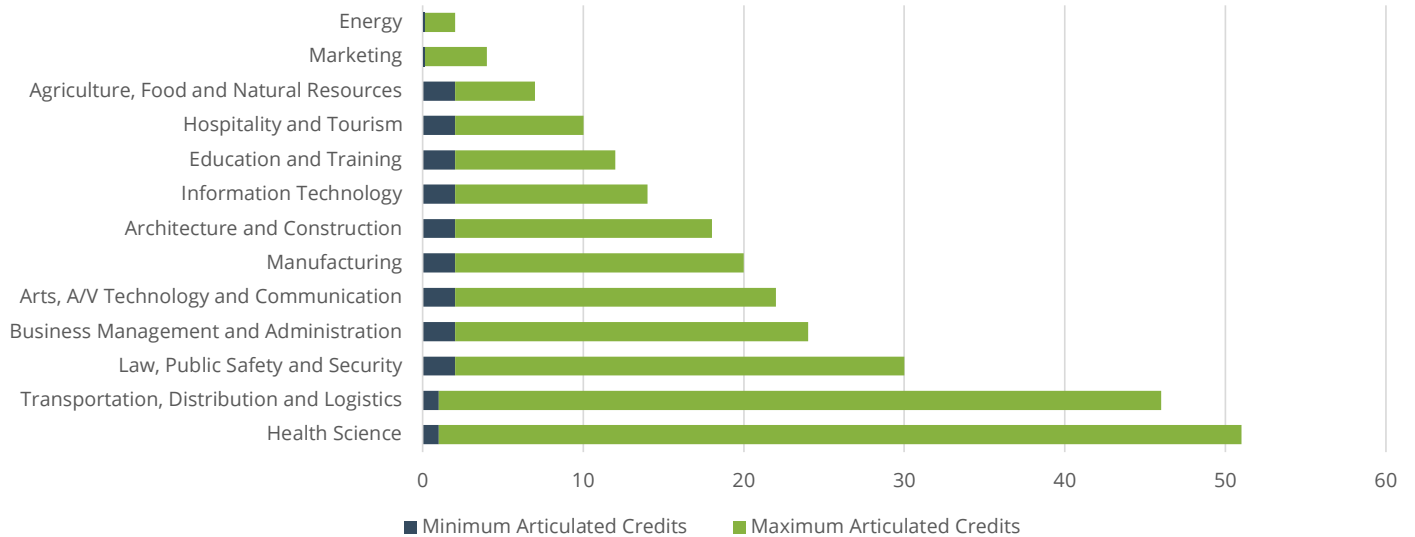
Gold Standard Agreements by Sector



Top Career Clusters by Number of Agreements



## Range of Articulated Credits Awarded by Career Cluster



### D. RECOMMENDATIONS FOR STRENGTHENING GOLD STANDARD CAREER PATHWAYS

Gold Standard agreements are widely available in high-demand technical areas, but their distribution reveals uneven implementation. A majority of the agreements are concentrated in two career clusters—Information Technology and Manufacturing—which together account for over 50% of all agreements. This concentration may limit student awareness and benefit other career fields, especially in industries with critical demand. For example, fields such as Education, Hospitality and the Arts have limited articulation activity despite their importance to regional economies. The overall percentage of degree completion achieved through articulation across all sectors remains relatively low averaging between 6% and 6.4%.

Roundtable participants highlighted discrepancies between the policy intent of statewide and Gold Standard agreements and actual implementation on campuses. Many reported that faculty and advisors are not always aware of all active agreements, and some institutions rely on outdated internal documents or inconsistent credit award practices. Participants emphasized the need for improved visibility of agreements, streamlined communication channels between technical colleges and FCS institutions and centralized repositories to ensure that students receive the credit they have earned.

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To ensure more transparent and effective implementation of Gold Standard articulation agreements across Florida, the following strategies are recommended:

### **1. Standardize the Percentage of Credit Awarded**

The amount of credit awarded for the same industry certifications varies significantly across institutions and programs, which can create confusion and limit student benefit. **Establishing standard credit ranges and course credit recommendations** for common certifications will ensure that students are rewarded for prior learning and can plan more confidently. This also supports institutional consistency and improves statewide transferability.

### **2. Expand Articulation in Career Clusters with Low Agreement Activity**

Most Gold Standard agreements are concentrated in a few technical fields, limiting access for students in other high-demand sectors. The state should prioritize **identifying industry certifications in high-demand areas without evidence of articulation**—such as education, hospitality, the arts and public service—and work with the Articulation Coordinating Committee to develop new agreements. This will promote more access to credit-bearing pathways and better reflect regional workforce needs.

### **3. Create and Publish Clear Program-Level Articulation Maps**

Students and advisors often lack clear guidance on which certifications align with which degree programs. Institutions should be required to **publish detailed articulation maps** that clearly indicate eligible certifications, credit awards and how those credits apply toward specific A.S./A.A.S. degree programs. These maps should be prominently featured on college websites, advising platforms and FloridaShines. See the example on the following page.

### **4. Develop a Centralized Web Location for Public Transparency**

A **publicly accessible, centralized web location** should be created to track articulation volume, credit value, student participation and program availability across FCS institutions. Including filters by region, program and certification type will support data-driven advising, monitoring and accountability. The web location could also help identify gaps in implementation and opportunities for improvement.

*Example:* This example illustrates how industry certifications translate into college credit, aligned with degree requirements. Each program map includes proximity information to help identify regional alignment gaps.

***Program: Associate in Science (A.S.) – Information Technology***

| INDUSTRY CERTIFICATION   | CREDITS AWARDED | EQUIVALENT COURSE(S) | DEGREE REQUIREMENT | FCS INSTITUTION    | DISTRICT TECHNICAL COLLEGE     | PROXIMITY                               |
|--------------------------|-----------------|----------------------|--------------------|--------------------|--------------------------------|-----------------------------------------|
| <b>CompTIA A+</b>        | 6 credits       | CGS 1100, CET 1178C  | Technical Core     | Miami Dade College | Miami Lakes Educational Center | Yes – Same county                       |
| <b>CompTIA Network+</b>  | 3 credits       | CET 1600C            | Technical Core     | Valencia College   | Orange Technical College       | Yes – Same county                       |
| <b>CompTIA Security+</b> | 3 credits       | CTS 2120             | Technical Elective | Broward College    | Lively Technical College       | No – Different region, available online |

## 5. Partner with Industry to Validate Certification-to-Degree Alignments

To ensure relevance and rigor, colleges should engage industry partners in reviewing and validating the alignment between certifications and degree-level competencies. This collaboration ensures that articulated credits are meaningful, reflect current workforce expectations and lead to stackable credentials that enhance employment and advancement opportunities.

## VII. STATEWIDE CAREER PATHWAYS ANALYSIS

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Florida's Statewide Career Pathways support students in transitioning efficiently from career and technical education (CTE) programs into aligned associate degree programs offered by FCS institutions. In accordance with Section 1007.233, Florida Statutes, each technical college and FCS institution with overlapping service areas is required to annually submit a statewide career pathways agreement to the Florida Department of Education. These agreements must guarantee articulated college credit toward an aligned Associate in Science (AS) or Associate in Applied Science (AAS) degree for students who complete a career certificate and meet specified criteria. The statute further requires that articulated credit be awarded upon initial enrollment and that regional agreements award no less credit than what is already guaranteed through existing statewide articulation agreements.

Through these agreements, Florida ensures that students can build on their prior learning without duplicating coursework, saving both time and money. This section analyzes the structure, utilization and distribution of statewide career pathways agreements across the state, highlighting patterns of alignment and identifying opportunities to expand access and strengthen student outcomes.

The effectiveness of Florida's Statewide Career Pathways agreements depends not only on their existence, but also on how consistently they are implemented across institutions and programs. The following analysis summarizes key statistics on agreement volume, institutional participation and alignment by career cluster highlighting concentrations of activity, existing gaps and how regions are leveraging the policy to expand workforce-relevant pathways.

### A. SUMMARY STATISTICS – MAY 2025 STATEWIDE CAREER PATHWAYS

#### **FCS Institutions**

- Count: 342 agreements total across all (28) FCS institutions.
- Mean (Average): Each FCS institution has an average of 9.18 agreements.
- Standard Deviation (std): 5.29, indicating moderate variation in the number of agreements per institution.
- Minimum: The institution with the fewest agreements reported only 3.
- Maximum: The most active institution reported 24 agreements.

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### District Technical Colleges

- Count: 99 agreements total across 25 district technical colleges.
- Mean (Average): Each technical college has an average of 9.28 agreements, slightly higher than FCS institutions.
- Standard Deviation (std): 5.66, showing slightly greater variability in agreement counts than among FCS institutions.
- Minimum: Some technical colleges reported as few as 3 agreements.
- Maximum: The most active technical college reported 19 agreement.

#### May 2025 Agreement Inventory

|                                        | FCS    | DISTRICT<br>TECHNICAL COLLEGES |
|----------------------------------------|--------|--------------------------------|
| <b>Institutions</b>                    | 28.00  | 25.00                          |
| <b>Total Agreements</b>                | 342.00 | 99.00                          |
| <b>Mean Agreements per Institution</b> | 9.18   | 9.28                           |
| <b>Standard Deviation</b>              | 5.29   | 5.66                           |
| <b>Minimum Agreements</b>              | 3.00   | 3.00                           |
| <b>Maximum Agreements</b>              | 24.00  | 19.00                          |

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## B. ANALYSIS OF CURRENT STATEWIDE CAREER PATHWAY AGREEMENTS

### 2025 Top Institutions by Number of Agreements

| FCS INSTITUTIONS                      | AGREEMENTS | DISTRICT TECHNICAL COLLEGES                 | AGREEMENTS |
|---------------------------------------|------------|---------------------------------------------|------------|
| Valencia College                      | 21         | George Stone Technical College              | 12         |
| Broward College                       | 21         | Manatee Technical College                   | 10         |
| Palm Beach State College              | 17         | First Coast Technical College               | 8          |
| Daytona State College                 | 17         | Pinellas Technical College - Clearwater     | 8          |
| Eastern Florida State College         | 15         | Fort Myers Technical College                | 8          |
| Seminole State College                | 15         | Miami-Dade School District                  | 8          |
| Florida State College at Jacksonville | 14         | Immokalee Technical College                 | 7          |
| Santa Fe College                      | 14         | Lorenzo Walker Technical College            | 6          |
| Miami Dade College                    | 13         | Pinellas Technical College - St. Petersburg | 5          |
| South Florida State College           | 12         | Bay District Schools                        | 5          |

---

### A.S. Programs with Lowest Articulation Activity Agreements

| PROGRAM NAME                             | AGREEMENTS |
|------------------------------------------|------------|
| Internet Services Technology             | 1          |
| Golf Course Operations                   | 4          |
| Electronics Engineering Technology       | 10         |
| Landscape and Horticulture Technology    | 12         |
| Computer Engineering Technology          | 14         |
| Early Childhood Education                | 23         |
| Fire Science Technology                  | 23         |
| Automotive Service Management Technology | 29         |
| Network Systems Technology               | 32         |
| Graphics Technology                      | 34         |

These are all workforce-oriented associate degree programs, which make their low articulation activity notable especially for sectors like Early Childhood Education and Fire Science, which have strong labor market demand. This suggests an opportunity to strengthen articulation pathways in these areas.

2025 Career Cluster Analysis – Activity Agreements by Top Ten Career Clusters Disaggregated by Institution Type

| CAREER CLUSTER                 | FCS | TECH | TOTAL |
|--------------------------------|-----|------|-------|
| Architecture and Construction  | 61  | 25   | 86    |
| Public Safety                  | 71  | 11   | 82    |
| Business/Office Administration | 49  | 11   | 60    |
| Health Science                 | 38  | 16   | 54    |
| Information Technology         | 38  | 9    | 47    |
| Arts/AV Technology             | 31  | 3    | 34    |
| Transportation                 | 17  | 12   | 29    |
| Education                      | 18  | 5    | 23    |
| Agriculture/Natural Resources  | 12  | 4    | 16    |
| Manufacturing                  | 7   | 3    | 10    |

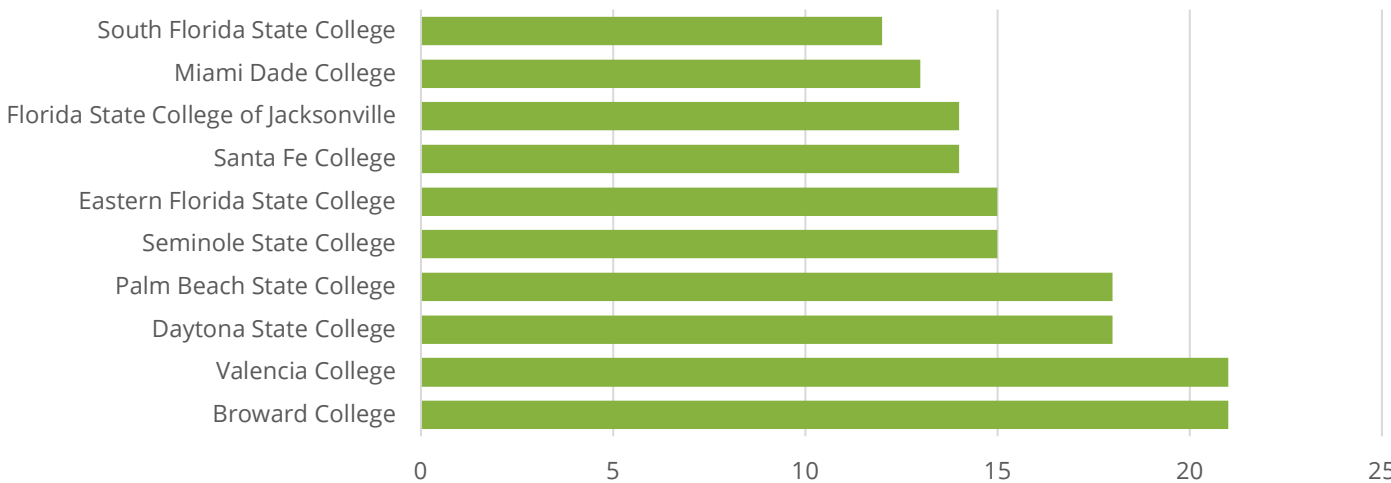
School Districts with the Most Activity Agreements

| COUNTY/REGION    | FCS | TECH |
|------------------|-----|------|
| Orange           | 63  | 57   |
| Miami-Dade       | 35  | 22   |
| Broward          | 28  | 7    |
| Flagler, Volusia | 22  | 5    |
| Orange, Osceola  | 21  | —    |
| Seminole         | 21  | —    |
| Bay              | —   | 8    |

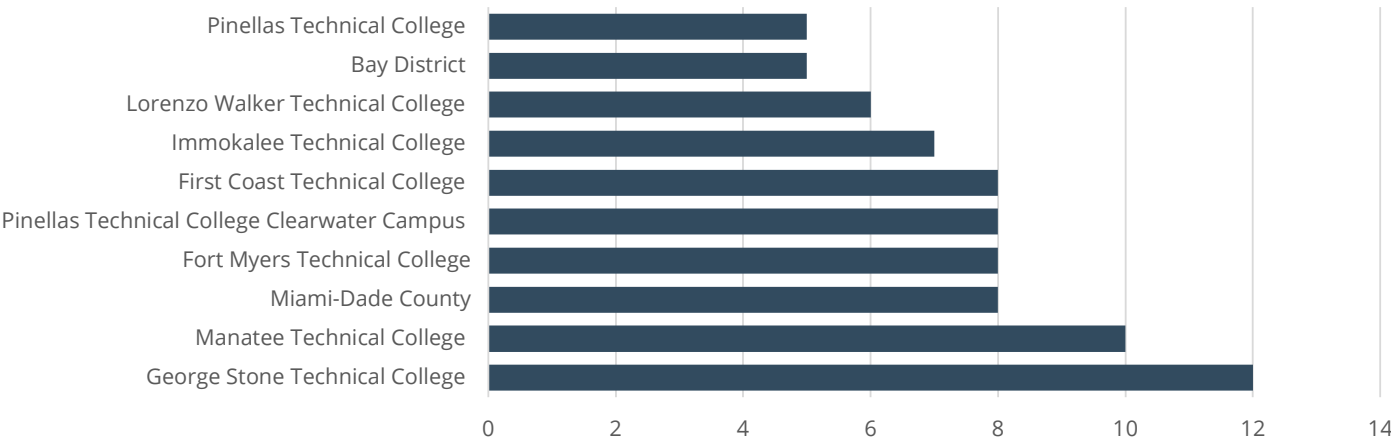
### C. DASHBOARD VISUALIZATIONS: STATEWIDE CAREER PATHWAYS ANALYSIS

The following dashboard visualizations provide a snapshot of Statewide Career Pathways activity across Florida. The first highlights the top FCS institutions by number of articulated agreements, offering insight into where statewide policies are being most actively implemented to support student transitions into associate degree programs. The second represents the same for technical colleges.

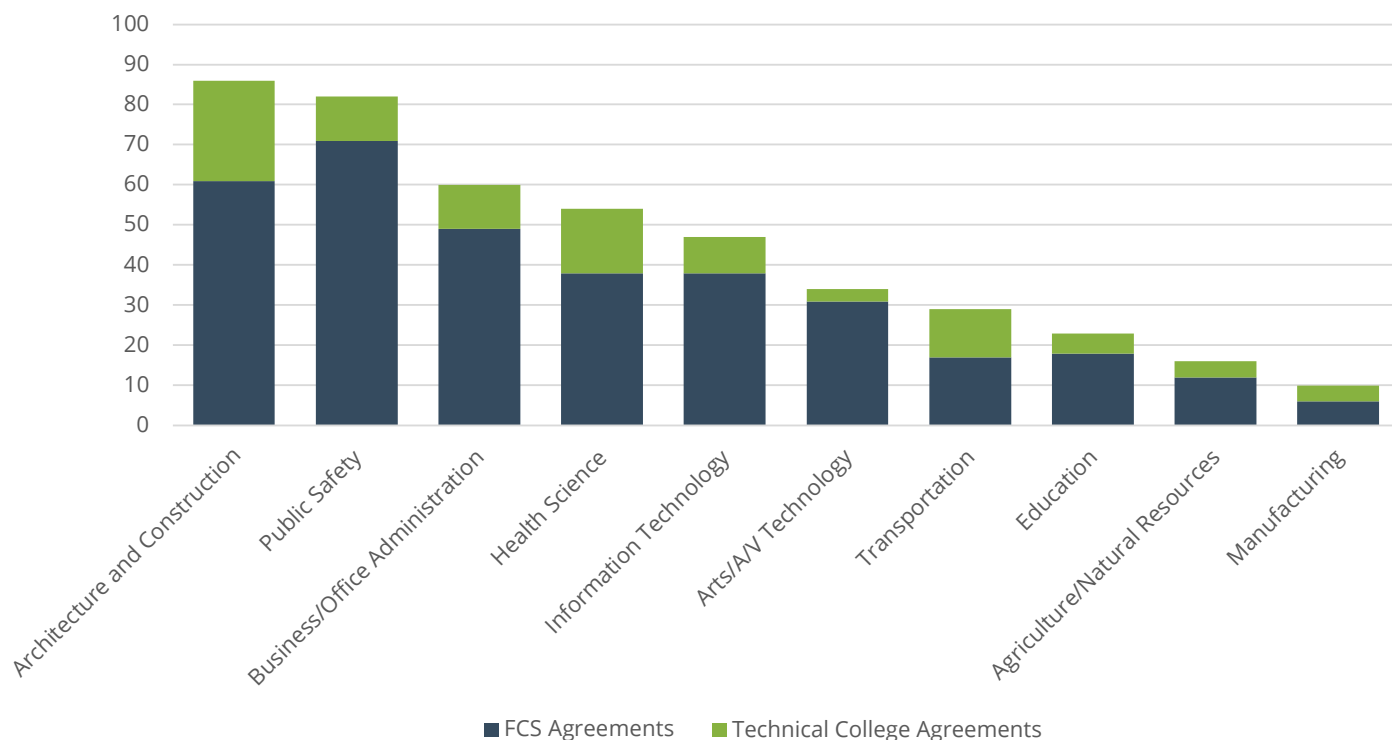
#### Top FCS Institutions by Number of Agreements



#### Top Technical Colleges by Number of Agreements



## Top 10 Career Cluster Agreement Comparison



## D. RECOMMENDATIONS FOR STRENGTHENING STATEWIDE CAREER PATHWAYS

### 1. Standardize Articulation Credit Practices

There is wide variation in the number of credits awarded across institutions for similar certificate programs, which can cause confusion and access issues. To promote clarity and institutional consistency, the state should establish minimum and recommended ranges of articulated credits for common program alignments. This would help ensure that students receive recognition of their prior learning and encourage more predictable transfer outcomes.

### 2. Increase Student and Advisor Transparency

Students and advisors often struggle to find clear, accessible information about articulation pathways. The state should require institutions to develop and publish program-level articulation maps that clearly indicate which career certificates or industry certifications are eligible for credit, how many credits will be awarded and to which associate degree programs the credits apply. This will empower students to make informed decisions and reduce the risk of excess credits or duplicated coursework.

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### **3. Strengthen Regional Partnerships**

The success of articulation agreements often depends on strong coordination between technical colleges and FCS institutions. The state should support regional collaboration to ensure that articulation agreements are not only in place but also aligned with local labor market needs. Joint planning sessions, regional workforce alignment grants and shared tracking of student outcomes can help ensure that these partnerships are strategic and student-centered.

### **4. Expand Articulation in Career Clusters with Limited Agreements**

Current articulation activity is heavily concentrated in a few fields such as Information Technology and Health Sciences. To promote access and meet Florida's expanding workforce needs, the state should prioritize expanding articulation agreements in underutilized clusters such as Education, Hospitality and Tourism, Environmental Sciences and the Arts. These fields are vital to local economies and public service but currently lack consistent statewide articulation coverage. Developing agreements in these areas can help attract more students and support credential attainment in high-demand sectors.

### **5. Create a Centralized Web Location**

Transparency and continuous improvement require accessible data. Florida should develop a public-facing, interactive web location that tracks the availability and use of articulation agreements by program, institution and region. The web location should include data on credits awarded, student participation and alignment to workforce priorities. This would support accountability, monitoring and improved advising practices across the state.

### **6. Align Programs to Stackable Credentials**

To ensure long-term student success and upward mobility, articulation agreements should be embedded within stackable credential pathways. This means designing programs so that a career certificate articulates to an A.S./A.A.S. degree, which in turn leads to a bachelor's degree or industry-recognized credential. Stackable pathways increase the return on educational investment, support lifelong learning and allow students to re-enter education as needed to advance their careers.

# VIII. ATD TO AS/AAS ARTICULATION AGREEMENTS ANALYSIS

Florida policy guarantees that students who complete an Applied Technology Diploma (ATD) at a district technical center or college are eligible to transfer to a FCS institution and receive articulated credit toward a related Associate in Science (AS) or Associate in Applied Science (AAS) degree.

While the guaranteed transfer policy is in place statewide, the extent of implementation varies widely. Some institutions have developed numerous formal agreements aligning ATD programs to AS degrees and awarding substantial credit, while others show limited or no articulation actions in the compiled dataset. This variation reveals gaps in statewide consistency and student transparency. Moreover, students in longer ATD programs generally receive more articulated credits, improving their momentum toward degree completion.

## A. SUMMARY STATISTICS – MAY 2025 ATD TO AS/AAS ARTICULATION AGREEMENTS

|                                               |                   |
|-----------------------------------------------|-------------------|
| Total Number of Agreements                    | 64                |
| Average Credit Hours Articulated              | 31.4 credit hours |
| Average AS Degree Program Length              | 72.4 credit hours |
| Average % of Degree Fulfilled by Articulation | 43.5%             |
| Range of Articulation (as % of Degree)        | 16.4% – 71.4%     |

### Top Institutions by Number of ATDs

| INSTITUTION                                  | ATDS |
|----------------------------------------------|------|
| <b>Broward College</b>                       | 5    |
| <b>Florida State College of Jacksonville</b> | 4    |
| <b>Miami Dade College</b>                    | 4    |
| <b>Manatee Technical College</b>             | 4    |
| <b>Eastern Florida State College</b>         | 4    |
| <b>Palm Beach State College</b>              | 3    |
| <b>Tallahassee State College</b>             | 3    |
| <b>Daytona State College</b>                 | 3    |
| <b>Hillsborough College</b>                  | 3    |
| <b>Santa Fe College</b>                      | 3    |

### Top Programs by Number of ATDs

| ATD PROGRAM NAME                                  | AS DEGREE PROGRAM TITLE                    | # OF INSTITUTIONS OFFERING THIS PATHWAY | CREDIT AWARDED |
|---------------------------------------------------|--------------------------------------------|-----------------------------------------|----------------|
| <b>Emergency Medical Technician</b>               | Emergency Medical Services                 | 22                                      | 12             |
| <b>Paramedic</b>                                  | Emergency Medical Services                 | 19                                      | 42             |
| <b>Medical Coder/Biller</b>                       | Health Information Technology              | 8                                       | 37             |
| <b>Dental Assisting Technology and Management</b> | Dental Assisting Technology and Management | 5                                       | 50             |
| <b>Medical Clinical Laboratory Technician</b>     | Medical Laboratory Technology              | 5                                       | 40             |

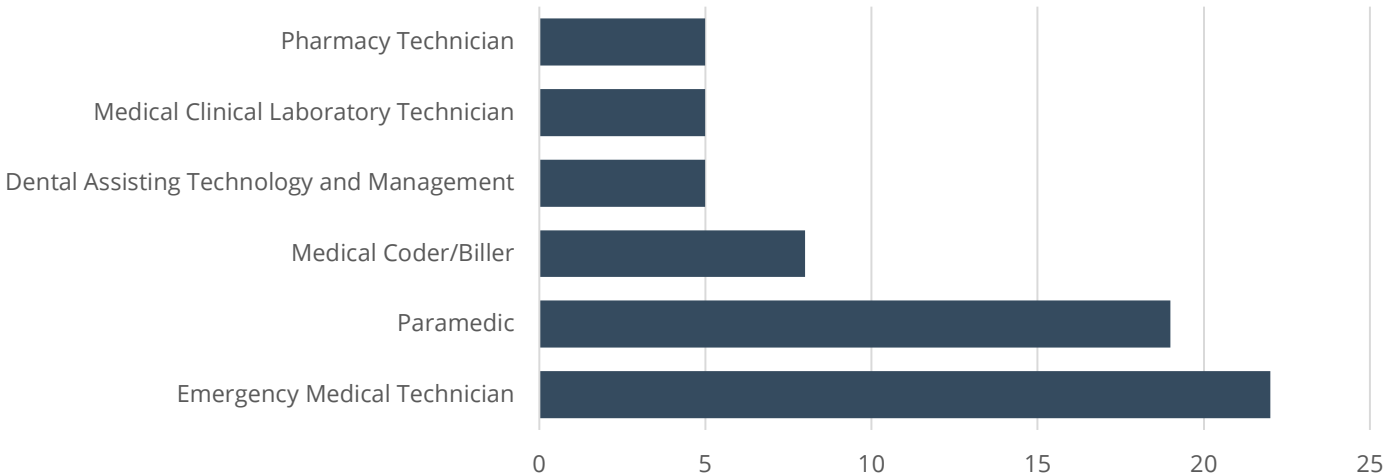
## B. DASHBOARD VISUALIZATIONS: ATD TO AAS/AS ARTICULATION AGREEMENTS

### Institutional Alignment

The figure below illustrates the number of articulation agreements between FCS institutions and their regional technical centers.

|                                            | <div>Atlantic Technical College<br/>Big Bend Technical College<br/>Brevard Adult and Technical College<br/>Cape Coral Technical College<br/>Charlotte Technical College<br/>Erwin Technical College<br/>First Coast Technical College<br/>Flagler Technical College<br/>Fort Myers Technical College<br/>Gadsden Technical College<br/>George Stone Technical College<br/>Hillsborough Technical College<br/>Lake Technical College<br/>Lindsey Hopkins Technical College<br/>Lorenzo Walker Technical College<br/>Manatee Technical College<br/>Miami Lakes Educational Center and Technical College<br/>Mid-Florida Technical College<br/>Orange Technical College<br/>Osceola Technical College<br/>Pinellas Technical College<br/>Robert Morgan Educational Center and Technical College<br/>Ridge Technical College<br/>Sheridan Technical College<br/>South Dade Technical College<br/>Suncoast Technical College<br/>Tom P. Haney Technical College<br/>Travis Technical College<br/>Withlacoochee Technical College</div> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Broward College                            | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Chipola College                            | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| College of Central Florida                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Daytona State College                      | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Eastern Florida State College*             | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Florida Gateway College*                   | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Florida SouthWestern State College         | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Florida State College at Jacksonville*     | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Gulf Coast State College                   | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Hillsborough College                       | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Indian River State College                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Lake-Sumter State College                  | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Miami Dade College                         | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| North Florida College                      | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Northwest Florida State College            | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Palm Beach State College                   | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Pasco-Hernando State College               | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Pensacola State College                    | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Polk State College                         | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Santa Fe College                           | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Seminole State College of Florida*         | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| South Florida State College*               | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| St. Johns River State College              | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| St. Petersburg College                     | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| State College of Florida, Manatee-Sarasota | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Tallahassee State College                  | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Valencia College                           | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |

**Top ATD Programs Offered by FCS Institutions and their Regional Technical Centers**



### C. RECOMMENDATIONS FOR STRENGTHENING IMPLEMENTATION

#### 1. Make Program-Level Transfer Credit Clear to Students

Students are better served when they understand how their technical education translates into college credit. Program-specific articulation maps can clarify what credit is awarded, for which degree and at which institution.

*Example:*

Student completes Medical Coder/Biller at Big Bend Technical College.

- Tallahassee State College → AS in Health Info Tech (37 credits)
- North Florida College → AS in Office Admin (18 credits)

#### 2. Ensure Statewide Policy Is Consistently Applied

Disparities in agreement volume across institutions indicate inconsistent implementation of the guaranteed transfer policy. A centralized web location can help identify and close these gaps.

*Example:*

| FCS INSTITUTION    | # OF PARTNER TECH CENTERS | AVG. CREDITS AWARDED | GAPS IDENTIFIED                                |
|--------------------|---------------------------|----------------------|------------------------------------------------|
| Polk State College | 2                         | 34                   | None                                           |
| Chipola College    | 1                         | 18                   | 2 local technical centers without articulation |
| Broward College    | 3                         | 0                    | No activity recorded                           |

#### 3. DESIGN PROGRAMS WITH STACKABILITY IN MIND

Short-term ATD programs can become more valuable when designed as entry points in stackable credential pathways. This increases credit transfer, streamlines student progress and boosts completion rates.

*Example:*

- Step 1. ATD: Medical Assisting (1 year) → 12 credits toward AS
- Step 2. AS: Health Services Management (2 years) → 12 credits for industry cert toward BAS
- Step 3. BAS: Health Supervision and Management

## IX. ADDITIONAL INVENTORY ANALYSIS FOR LOCAL CAREER AGREEMENTS REPORTED BY FCS INSTITUTIONS AND FLORIDA TECHNICAL COLLEGES

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The following is a summary analysis of additional career agreements reported by FCS institutions. These agreements reflect efforts to expand postsecondary access and streamline pathways from secondary education, technical training and industry certification into college credit programs. The dataset includes 1,577 records submitted by 28 FCS institutions and documents articulation arrangements with 75 unique partners, including district technical colleges, high schools and workforce training providers.

Roundtable conversations revealed that local agreements often reflect long-standing partnerships and program-specific faculty collaboration. However, participants emphasized that inconsistent documentation, unclear renewal timelines and varying interpretations of statewide guidance create challenges for scalability. Institutions expressed that without more consistent statewide expectations and shared tools for mapping credit, local agreements may continue to vary widely in quality, visibility and student applicability.

### A. ADDITIONAL CAREER ARTICULATION AGREEMENTS – FLORIDA COLLEGE SYSTEM

#### Florida College System Articulation Agreements Summary

##### Overview

The FCS maintains a robust portfolio of articulation agreements that provide seamless pathways from high school career and technical education (CTE), technical colleges, workforce certifications and industry training into college credit programs at FCS institutions.

**Total entries reviewed: 1,700**

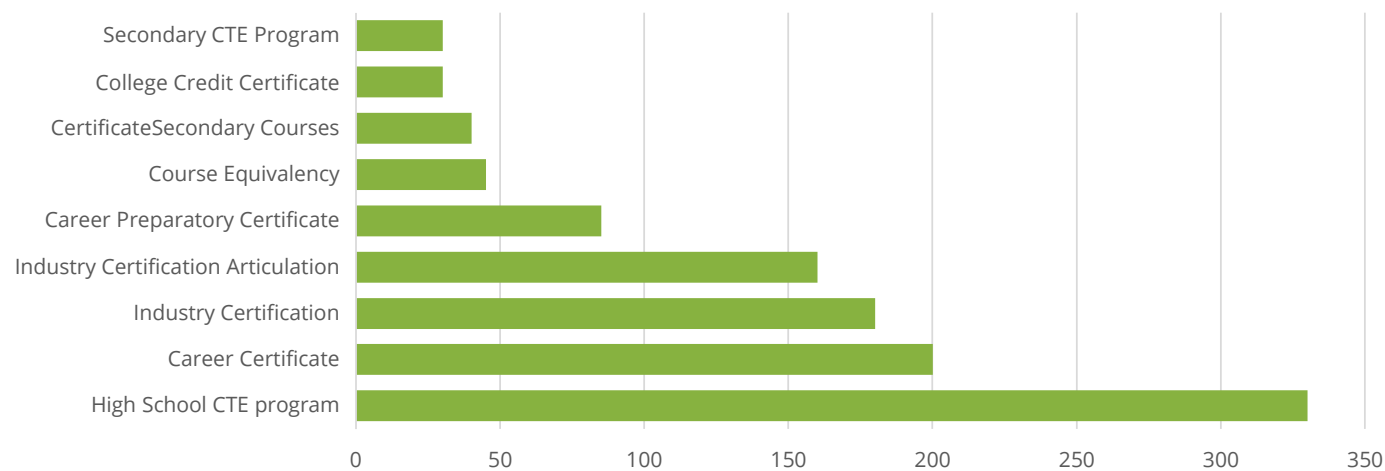
**Participating institutions: 24**

##### Primary Purposes of the Agreements

These agreements are designed to:

- Recognize **prior learning** and reduce duplication
- Accelerate student progress toward degrees
- Support workforce-aligned programs
- Strengthen **high school** → **college** pipelines
- Value applied and technical learning

May 2025 Most Common Credential Types as Collected



As submitted

Top categories represented:

| CREDENTIAL TYPE                     | COUNT |
|-------------------------------------|-------|
| High School CTE Program             | 330   |
| Career Certificate                  | 200   |
| Industry Certification              | 179   |
| Industry Certification Articulation | 163   |
| Career Preparatory Certificate      | 84    |
| Course Equivalency                  | 42    |
| Secondary Courses                   | 41    |
| Secondary CTE Program               | 32    |

**Key Insight:** The system heavily leverages **secondary CTE** and **industry certifications** as on-ramps into college programs. While secondary and high school CTE submissions throughout both systems were similar, institutions classified these differently in their submissions.

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### Highest Volume FCS Institutions

Leading participants by number of documented agreements:

| FCS COLLEGE                           | COUNT |
|---------------------------------------|-------|
| Lake-Sumter State College             | 366   |
| St. Petersburg College                | 238   |
| Palm Beach State College              | 163   |
| Valencia College                      | 83    |
| Florida State College at Jacksonville | 53    |

These colleges demonstrate extensive regional partnership networks.

### Credit Award Patterns

Agreements often articulate:

- 3–15 credits toward A.S. degree programs
- Credit-for-certification course equivalencies
- Block credit for approved technical programs

This accelerates completion timelines for students entering with applied learning.

### Targeted Program Areas

Most frequent program pathways include:

- Business and Management
- Information Technology
- Paralegal and Legal Studies
- Public Safety
- Manufacturing/Industrial Technology
- Health Sciences (program-dependent)

### Strengths Observed

- Regional consistency in workforce program alignment
- Strong engagement with technical colleges
- High volume of industry-recognized credential pathways
- Clear benefit to adult learners and CTE completers

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## Opportunities

Future statewide strategies could:

- Improve consistency of credit awarded across regions
- Expand portability of local/regional agreements
- Standardize credit recommendations for common certifications
- Increase transparency for students and advisors

## Takeaway

The FCS articulation ecosystem is large, varied and highly workforce-responsive. It provides meaningful acceleration toward college credentials, strengthens talent pipelines and recognizes real-world learning — especially for high school CTE and students in industry-aligned programs.

## B. ADDITIONAL CAREER ARTICULATION AGREEMENTS – DISTRICT TECHNICAL COLLEGES

### District Technical Colleges Articulation Agreements Summary

#### Overview

Technical colleges across Florida maintain articulation agreements that translate **applied workforce training into college credit** at FCS institutions. These pathways are especially valuable for students progressing from CTE to Associate in Science (A.S.) degree programs.

Total entries reviewed: 303

Participating technical centers: 24

Credential/program types represented: 7

#### Primary Purposes of the Agreements

These agreements are structured to:

- Award **credit for technical training**
- Reduce time to completion for A.S. degrees
- Support **stackable credentials** in high-demand workforce areas
- Strengthen transitions from **district career centers** → **colleges**
- Recognize applied competencies and licensure-based learning

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## Most Common Credential Types Represented

| CREDENTIAL TYPE                  | COUNT |
|----------------------------------|-------|
| Career Certificate               | 123   |
| CC (College Credit Certificate)  | 24    |
| Certification                    | 16    |
| Secondary                        | 16    |
| Apprenticeship                   | 4     |
| ATD (Applied Technology Diploma) | 3     |
| Applied Technology Diploma       | 1     |

**Key Insight:** Career Certificates dominate the articulation landscape, serving as the core bridge into college-level studies.

## Highest Volume Technical Colleges

Based on number of agreements documented:

| TECHNICAL COLLEGE/DISTRICT CENTER            | COUNT |
|----------------------------------------------|-------|
| Broward School District                      | 33    |
| George Stone Technical College               | 18    |
| Manatee Technical College                    | 17    |
| Florida Panhandle Technical College          | 11    |
| Fort Myers Technical College                 | 10    |
| Suncoast Technical College (Sarasota County) | 9     |

The articulation agreements submitted by these Technical Colleges/Colleges demonstrate strong program alignment.

## Common Receiving Degree Types

Technical training most often articulates into:

- **A.S. degrees**
  - e.g., Cybersecurity, Nursing R.N., Business Management
- Select **college credit certificates**
- Workforce-aligned pathways tied to regional labor demand

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### **Credit Award Patterns**

Typical credit awards range between 3-17 credits depending on:

- Number of clock hours
- Industry credential(s)
- Program alignment

Block credit awards are common for Career Certificates.

### **Program Areas Frequently Represented**

- Cybersecurity and Networking
- Business Management
- Nursing (R.N.)
- Computer Systems
- Drafting and Applied Technology
- Public Safety / Fire / EMS

These reflect high-demand workforce sectors.

### **Strengths Observed**

- Strong linkage between **technical training** → **A.S. degrees**
- Extensive credit award potential for **career certificates**
- High relevance to regional workforce needs
- Stackable credential progression opportunities

### **Opportunities for Enhancement**

- Improve visibility for advisors and students
- Increase consistency across regions for comparable certificates
- Expand statewide templates for common credentials
- Provide documentation of clock-hour → credit equivalences

### **Takeaway**

Florida's technical colleges contribute significantly to workforce pipelines by providing **stackable, credit-bearing** pathways into college degrees. The articulation ecosystem is mature, highly applied and career-relevant — especially effective for adult and CTE-focused learners.

2023-2024 Comparison of FCS vs. Technical College Articulation Agreements  
Scale and Participation

| DIMENSION                | FCS                       | TECHNICAL COLLEGES                   |
|--------------------------|---------------------------|--------------------------------------|
| Total Entries            | 1,700                     | 303                                  |
| Institutions Represented | 24 FCS colleges           | 24 district career/technical centers |
| Breadth and Reach        | Wide statewide foot-print | Targeted regional partnerships       |

Credential Types Represented

| RANKING BY VOLUME | FCS                             | TECHNICAL COLLEGES                |
|-------------------|---------------------------------|-----------------------------------|
| 1                 | High School CTE Programs        | Career Certificates               |
| 2                 | Career Certificates             | CCC (College Credit Certificates) |
| 3                 | Industry Certifications         | Industry Certifications           |
| 4                 | Career Preparatory Certificates | Apprenticeships                   |

**Take Away:**  
FCS pathways heavily support **secondary** → **college** transitions, while Technical College pathways focus on **postsecondary clock-hour training** → **college credit**.

Credit Award Patterns

| OBSERVED PATTERNS    | FCS                                            | TECHNICAL COLLEGES                           |
|----------------------|------------------------------------------------|----------------------------------------------|
| Typical Credit Range | 3–15 credits                                   | 3–17 credits                                 |
| Award Basis          | Industry certifications, high school curricula | Clock-hour competencies, Career Certificates |
| Structure            | Often course equivalencies                     | Frequently block credit awards               |

### Academic Destinations as Reported

| FOCUS                 | FCS                                    | TECHNICAL COLLEGES                                       |
|-----------------------|----------------------------------------|----------------------------------------------------------|
| Primary Degree Target | A.S. Degrees                           | Articulation Credit and Clock Hours Towards A.S. Degrees |
| Secondary Target      | CCCs, program electives                | CCCs, general workforce programs                         |
| Common Fields         | IT, Business, Paralegal, Public Safety | Cybersecurity, Business, Nursing, Drafting, EMS          |

### Alignment Drivers

| DRIVER                         | FCS              | TECHNICAL COLLEGES      |
|--------------------------------|------------------|-------------------------|
| Secondary CTE pipelines        | Highly prominent | Less prominent          |
| Industry credentials           | Strong emphasis  | Moderate emphasis       |
| Clock-hour to credit alignment | Present          | Foundational            |
| Workforce responsiveness       | High             | High and often regional |

## C. SUMMARY ANALYSIS

The Florida articulation ecosystem is **mature, complex and workforce-responsive**, offering multiple entry points for learners. FCS local agreements reflect a **broad statewide articulation network**, particularly focused on **secondary CTE and industry credentials**. Technical college local agreements reflects **deep articulation from postsecondary technical training** into degree pathways, heavily rooted in **clock-hour competencies**.

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Together, these agreements:

- Accelerate time to credential completion
- Reduce redundancy in learning
- Support Florida's workforce development goals
- Provide strong on-ramps for adult, returning and CTE-experienced learners

**Bottom Line:**

Florida's articulation infrastructure is an asset — highly aligned to economic mobility and well-positioned for enhancements that increase consistency, visibility and stackability across regions.

## **PATTERNS IN THE DATA**

### **1. FCS Agreements Are Broader and More Varied**

FCS agreements reflect:

- High school CTE
- Industry certification alignment
- Regional industry partnerships

This creates a **wide funnel** for student entry points.

### **2. Technical College Agreements Are Deep and Applied**

The Technical College dataset is smaller but more specialized and training-intensive, focused on:

- Clock hours
- Competency mastery
- Program-specific block credit

This creates a **vertical stack** toward A.S. degrees.

### **3. Regionality Drives Differences**

Patterns indicate:

- Colleges with stronger technical centers nearby show more robust articulation maps.
- Some regions have more consistent, multi-program pathways than others.

### **4. Career Certificates Function as the Central Bridge**

Across both sections, Career Certificates appear repeatedly — a core “currency” converting:

- Applied skills → academic credit
- Postsecondary training → degree completion momentum

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### **Strengths Observed Across the System**

- Expedited degree completion for workforce learners
- Strong alignment to regional labor markets
- Recognition of real-world competencies
- A.S. degree pathways reinforce middle-skill workforce pipelines
- Stackable credential models support adult learners

### **Gaps and Opportunities**

- **Portability Variance**  
Similar credentials do not always articulate consistently across colleges.
- **Advising Complexity**  
Students and advisors may struggle to understand differences in credit awards, course substitutions and local/regional limitations
- **Visibility**  
Documentation of agreements is not always centralized or easy to find.

## **D. RECOMMENDATIONS:**

### **1. Expand Statewide Templates**

Leverage common industry certifications (e.g., CompTIA, Amazon Web Services (AWS)) into uniform models.

### **2. Normalize Clock-hour Conversion**

Create consistent credit frameworks for like programs.

### **3. Map “Pathway Clusters”**

Highlight which technical center credentials align across multiple colleges.

### **4. Strengthen Advising Resource Toolkits**

Improve clarity on:

- credit limits
- applicability to degree requirements
- portability between institutions

## X. ARTICULATED CREDIT AWARDED ACROSS THE FCS FOR 2021-2023 FIRST-TIME IN COLLEGE (FTIC) COHORTS BASED ON WORKFORCE DEVELOPMENT INFORMATION SYSTEM DATA GATHERED BETWEEN 2016 - 2023

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Florida's articulation system is one of the most expansive in the nation, connecting secondary career and technical education (CTE), district technical centers, FCS associate degree programs and, for many fields, upper-division bachelor's pathways. As Florida continues to strengthen its workforce pipeline, articulation pathways serve as a critical lever for accelerating educational attainment, meeting regional labor market needs and supporting adult learners and traditional age students alike.

This section synthesizes the results of the data analysis with Florida's policy infrastructure, including statewide articulation agreements, Gold Standard Career Pathways and dual enrollment and integrates these findings with national research on transfer, credit mobility and stackable credentials. Together, these sources offer a broader understanding of how students move (or fail to move) through Florida's complex set of pathways.

The introduction of external evidence, including the Office of Program Policy Analysis and Government Accountability's (OPPAGA) Career Statewide Articulation Agreements report and national studies from the Community College Research Center (CCRC), Education Commission of the States (ECS), the National Student Clearinghouse Research Center (NSCRC) and the Institute for Higher Education Policy (IHEP), provides essential context. These sources reveal that many of the dynamics observed in Florida, such as uneven regional program availability, modest continuation from the first credential to the second and inconsistent transcription of articulated credit, mirror national patterns documented across multiple states.

By grounding the workforce data analysis in both Florida-specific and national research, this narrative highlights where Florida's articulation system is functioning well, where structural gaps impede student momentum and where strategic improvements can better support students as they progress through certificate, associate and bachelor's degree pathways. This context sets the stage for examining each of the four research questions in greater depth.

### A. METHODOLOGY AND DATA SOURCES

This analysis uses student-level longitudinal data from two state systems:

- **Workforce Development Information System (WDIS)** — Career and technical education (CTE) student records from district technical colleges, **2015–16 through 2022–23**
- **Florida College System (FCS) Data System** — First-time-in-college (FTIC) student cohorts **2021–2023**

The study connects district CTE completers to their postsecondary outcomes to understand:

- Career Pathways available at District Technical and State Colleges
- Continuation to the FCS
- Credit awarded for articulated and accelerated learning
- Completion outcomes for students with and without accelerated credit

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## Data Sources

### Workforce Development Information System (WDIS) Data Sources

| FILE                                                                 | PURPOSE                                                      | YEARS                    |
|----------------------------------------------------------------------|--------------------------------------------------------------|--------------------------|
| <b>CTE Completion File</b><br>(PERA4522_WDIS_COMPLETIONS)            | District technical college program completers                | <b>2015-16 → 2022-23</b> |
| <b>Industry Certification File</b><br>(PERA4522_WDIS_INDUSTRY_CERTS) | Industry certifications earned in secondary and district CTE | <b>2015-16 → 2022-23</b> |

### FCS Data Sources

| FILE                                                            | PURPOSE                                                                               | YEARS            |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------|
| <b>FTIC Cohort File</b><br>(PE-RA4522_FCS_FTIC_COHORT)          | First-time-in-college students                                                        | <b>2021-2023</b> |
| <b>Acceleration Credit File</b><br>(PE-RA4522_FCS_ACCELERATION) | Prior learning assessments, exam credit, industry certification credit awarded in FCS | <b>2021-2025</b> |
| <b>Completion File</b><br>(PE-RA4522_FCS_COMP)                  | Degree and certificate completions                                                    | <b>2021-2025</b> |
| <b>Industry Certification File</b><br>(PE-RA4522_FCS_FINC)      | Certifications earned in FCS programs                                                 | <b>2021-2025</b> |
| <b>Program Enrollment File</b><br>(PE-RA4522_FCS_PROG)          | Student program en-rollments (CIP codes)                                              | <b>2021-2025</b> |

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## Reference Files and Crosswalks Data Sources

| FILE                                                                           | PURPOSE                                         |
|--------------------------------------------------------------------------------|-------------------------------------------------|
| <b>Program and Course Inventory</b><br>(2526 Program and Course Inventory)     | State inventory of CTE programs                 |
| <b>CAPE Industry Certification List</b><br>(2526 CAPE Industry Cert Fund List) | Approved CAPE certifications                    |
| <b>Gold Standard List</b><br>(GS Career Pathways Agreements)                   | Statewide certification articulation agreements |
| <b>CIP Crosswalks</b><br>(WDIS and FCS CIP reference files)                    | Aligns CTE programs to FCS programs             |
| <b>District Name Table</b>                                                     | District mapping reference                      |

## B. CAREER PATHWAYS AVAILABLE AT DISTRICT TECHNICAL AND STATE COLLEGES

### Findings From the Data Analysis

Florida's district workforce education programs serve a large number of students while **only a small share, often under 10%, transition into the FCS** after completing a district certificate program. Even in high-demand fields like Nursing Assistant, Practical Nursing, Patient Care Assistant and Emergency Medical Services, continuation rates remain modest. The notable exception is **Early Childhood Education**, where **more than 16%** of district certificate completers continue into the FCS, reflecting stronger alignment and clearer stackable pathways.

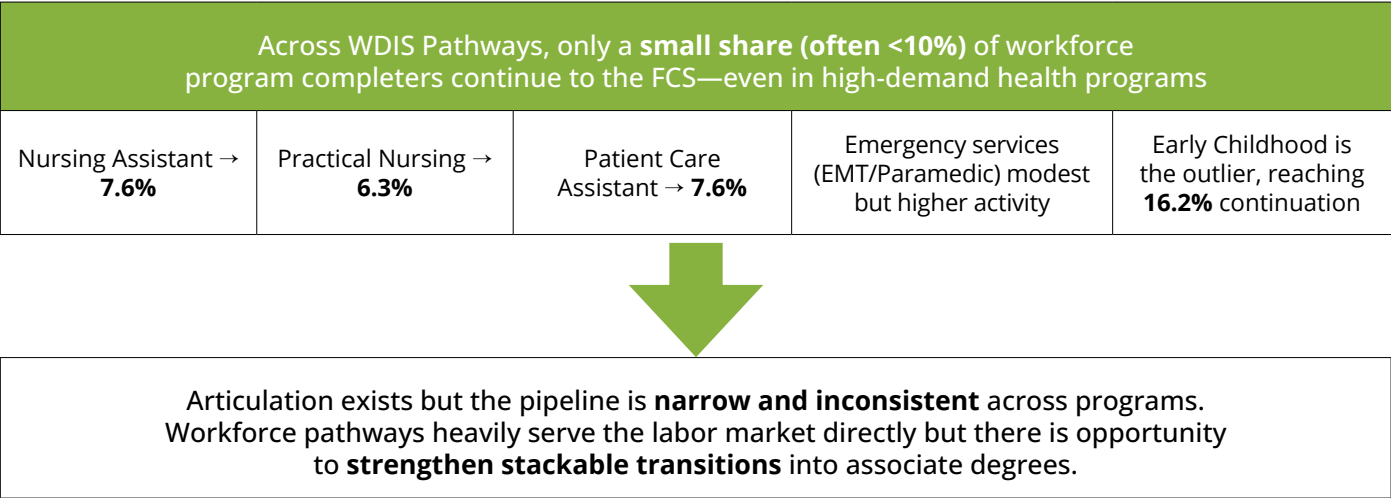
**Research Question:** Which pathways are available to students at each accredited district technical center and state college?

**Why this question matters:** Understanding pathway availability is foundational. Students cannot progress through pathways that do not exist or that are misaligned across institutions. Availability determines access and the feasibility of advancing through certificate-to-degree or degree-to-degree sequences.

Large District Volume, Small FCS Transition

The data analysis also shows substantial variation in regional program availability across Florida. Some regions support full stackable pathways, while others offer only initial credentials. The strongest pathway coverage appears in the service areas for Miami Dade College, Broward College and Valencia College, where students can access both the first credential and the aligned second credential locally. An example of this could include a district career certificate in Medical Assisting that articulates to an AS in Health Sciences, or an industry certification such as CompTIA A+ that articulates to an AS in Information Technology. These regions provide students with coherent pathways from entry-level workforce preparation to degree-level advancement.

An Office of Program Policy Analysis and Government Accountability (OPPAGA) statewide study, [Career Statewide Articulation Agreements](#), reinforces this pattern, identifying the same regions as offering the greatest opportunity for students to enroll in both parts of an articulated sequence. By contrast, many rural and mid-sized regions offer the initial credential but not the corresponding AS or AAS degree. Students in these areas would need to transfer institutions, travel significant distances or switch to online programs to continue their pathway, which sharply reduces progression likelihood.



Comparison to National Research

National research confirms that regional program alignment strongly influences pathway completion. The Community College Research Center’s (CCRC’s) Tracking Transfer study finds that students are significantly more likely to advance when the full pathway is available within their service region (Jenkins and Fink, 2016). Education Commission of the States (ECS) similarly reports that incomplete or geographically dispersed pathways lead to lower transition rates and higher rates of student attrition (ECS, 2018). Florida’s regional patterns align closely with these national findings and highlight opportunities to improve regional alignment.

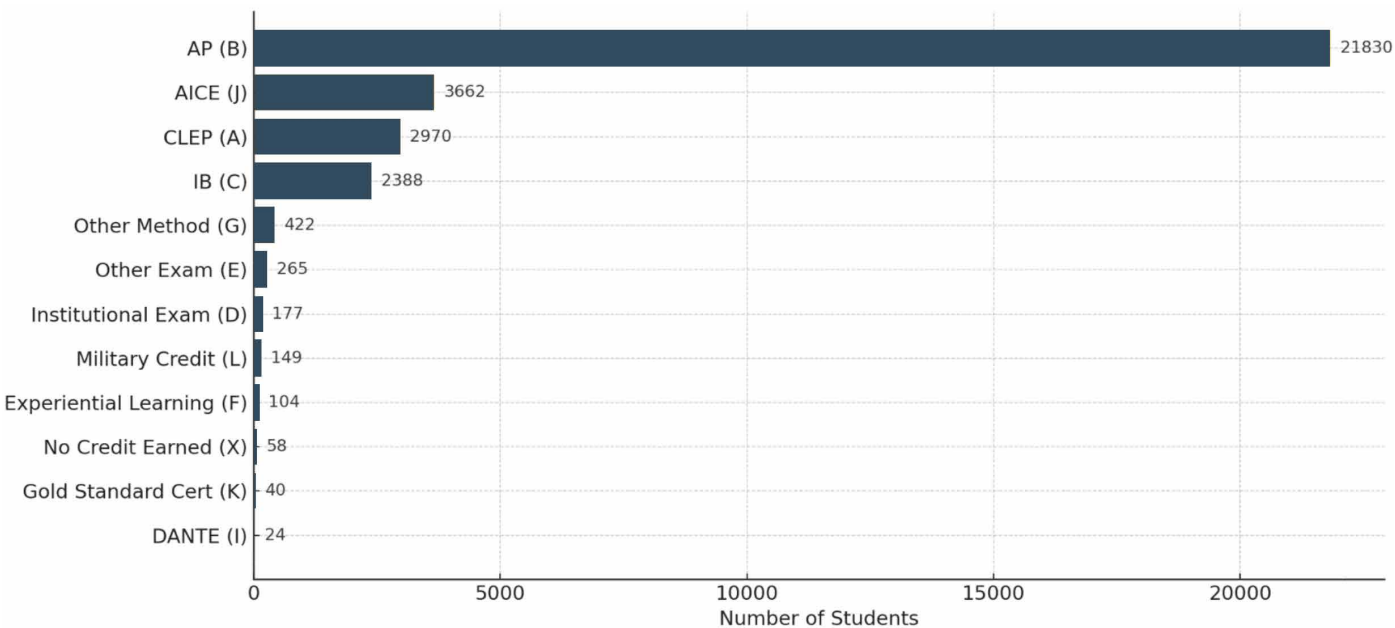
## C. STUDENTS UTILIZATION OF PATHWAYS PRIOR TO HIGH SCHOOL GRADUATION

### Findings From the Data Analysis

Florida’s data show strong usage of acceleration pathways:

*Many FCS FTIC students enter with accelerated credit.*

### FCS Articulation Summary



This chart shows the number of FCS students who earned college credit through different acceleration and prior-learning mechanisms (e.g., AP, AICE, CLEP, IB, industry certifications, military credit and institutional exams). The data highlight that AP credit is the most common source of articulated credit, followed by AICE, CLEP and IB. Dual enrollment rivals AP credit as another common source of articulated credit in Florida as illustrated on the next page. Workforce-focused pathways, such as industry certifications and military credit, appear at much lower volumes, suggesting opportunities to expand awareness and execution. This data excludes dual enrollment.

**Research Question:** How many students are utilizing each pathway prior to high school graduation?

**Why this question matters:** Early college momentum improves postsecondary outcomes. Participation in dual enrollment, early CTE coursework and industry certification programs is one of the strongest predictors of college enrollment, credit accumulation and credential completion.

*Students who begin with acceleration credit complete credentials at significantly higher rates and accumulate fewer excess credits than peers who do not.*

### FCS Completion by Acceleration and Dual Enrollment Status

| GROUP                         | STUDENTS | COMPLETERS | COMPLETION RATE |
|-------------------------------|----------|------------|-----------------|
| Accelerated Credit Earners    | 13,562   | 9,791      | 72.2%           |
| Non-Accelerated FTIC          | 178,823  | 71,757     | 40.1%           |
| Previously Dual Enrolled FTIC | 36,249   | 22,890     | 63.1%           |
| Not Dual Enrolled FTIC        | 156,136  | 58,658     | 37.6%           |

Students who arrive with momentum whether through dual enrollment or other accelerated credit earned after matriculation are significantly more likely to complete a credential in the FCS. These patterns underscore the value of expanding credit for prior learning, ensuring students receive awarded credit consistently and strengthening guided advising to help students translate acceleration into credential completion.

**Participation varies significantly by district. Urban regions show higher dual enrollment uptake, while many rural districts exhibit lower participation rates, reflecting longstanding differences in access to advanced coursework and college partnerships documented in statewide acceleration patterns.**

Secondary CTE and industry certification utilization is particularly high in Health Sciences, IT, Public Safety and Business. However, continuation into the FCS is inconsistent. Even among the most frequently earned certifications, there is only a modest share of students that transition into aligned AS programs.

In 2023, OPPAGA found that only 2.5 percent of industry certification earners in statewide agreements enrolled in the connected degree program. The data analysis mirrors this pattern, showing that the volume of credential earners does not translate into strong postsecondary continuation.

### Comparison to National Research

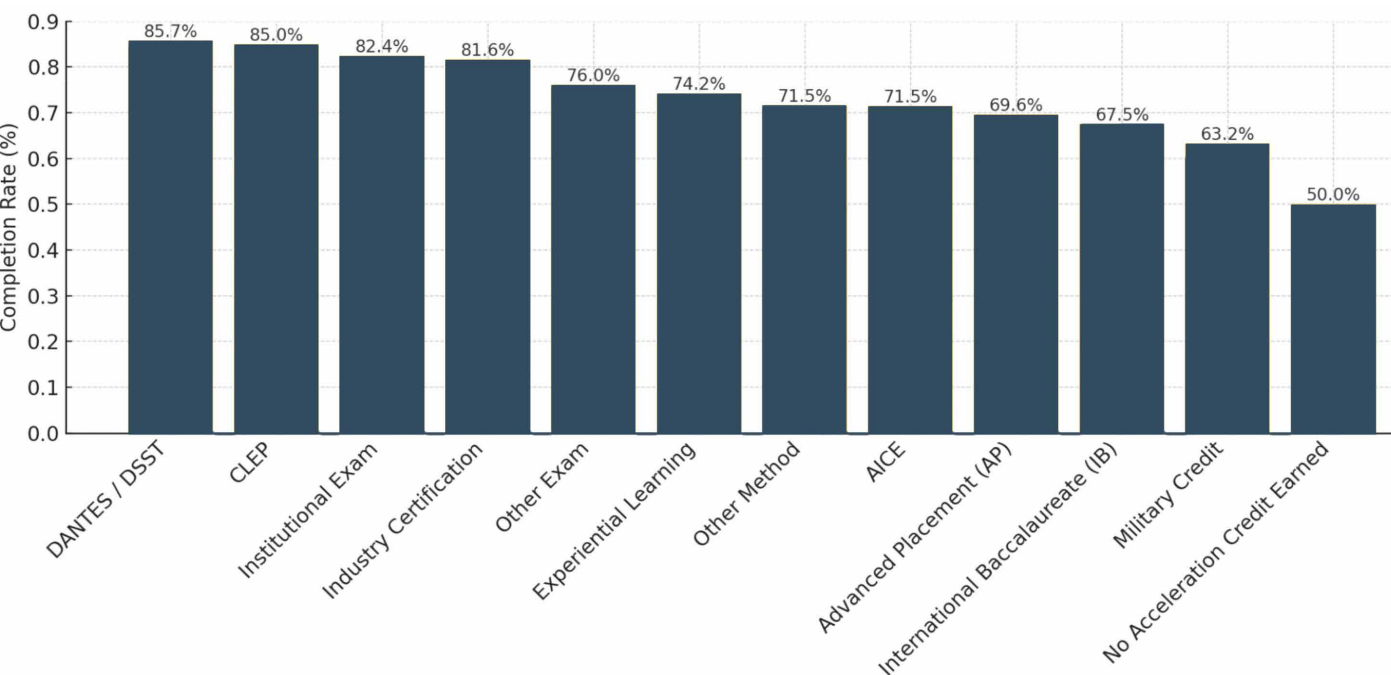
National studies underscore this dynamic. National Student Clearinghouse Research Center (NSCRC) research shows that students who accrue early credits are more likely to enroll and persist in college, but only when the credits are clearly understood and applied toward a structured program (Shapiro et al., 2017). ECS reports that industry credential earners often do not realize they have earned college-applicable credit unless institutions proactively inform them (ECS, 2018). Florida's data reinforce these findings that high participation does not automatically translate into high pathway utilization.

## D. STUDENT PATHWAY COMPLETION OUTCOMES

### Findings From the Data Analysis

Students with articulated or accelerated credit complete credentials at higher rates, particularly when credit is posted early in their academic timeline. Institutions awarding larger amounts of articulated credit per student also show stronger completion metrics. It is possible that students participate in multiple accelerated credit types based on local offerings. This chart excludes dual enrollment data.

### Completion Rate by Acceleration Type



This chart shows completion rates among FCS students by the type of articulated or accelerated credit they earned other than dual enrollment. Students who enter with articulated credit, regardless of the mechanism, complete credentials at substantially higher rates than those without prior credit. DANTES/DSST, CLEP, institutional exams and industry certification credit have the highest completion rates, demonstrating the power of credit recognition beyond traditional AP/IB routes.

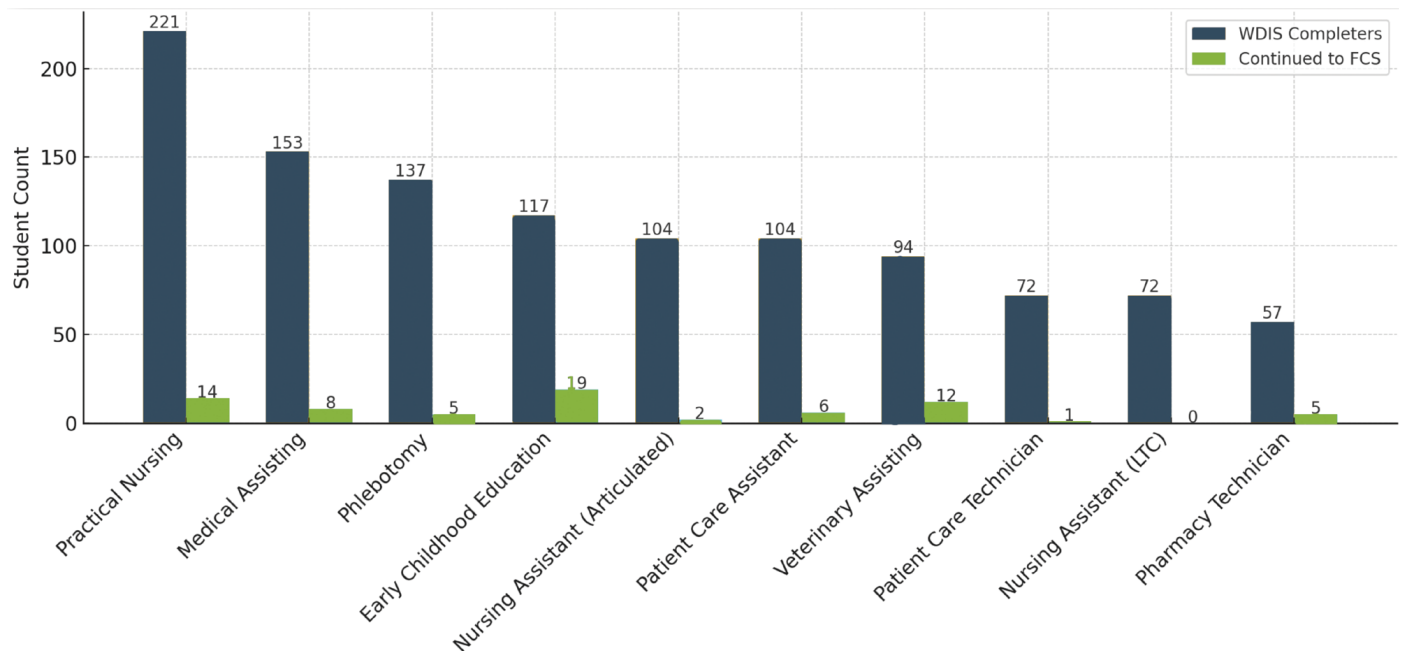
**Research Question:** How many students complete each pathway?

**Why this question matters:** Pathways are only meaningful when students are able to advance from one credential to the next. Completion patterns help identify strengths, weaknesses and structural barriers.

In spite of this, continuation from career certificate programs into aligned AS degrees remains limited statewide. District Career Certificate completers, such as those in medical assisting, HVAC or criminal justice, show stronger continuation in regions with robust AS offerings, but much lower continuation in regions where aligned second-credential programs are missing.

### Top Ten District Career Certificate Programs Continuing to FCS

This chart shows the top district Career Certificate programs by the number of completers and the smaller subset who later enrolled in the FCS. Programs such as Practical Nursing, Medical Assisting and Phlebotomy have the highest completion counts, but relatively few students in each pathway continue to FCS institutions. This pattern suggests opportunities to enhance advising, transfer awareness and articulation execution for workforce learners.



OPPAGA's findings further contextualize these results: only 8.1 percent of students completing a first credential in a statewide agreement enrolled in the second credential within three years, and only 5 percent completed it.

### Comparison to National Research

Giani (2019) research shows that delayed or inconsistent transcription of articulated credit contributes significantly to credit loss and reduced completion. When colleges do not clearly record credit at admission or integrate credit into program maps, students experience extended time to degree and decreased momentum. Florida's data exhibit the same patterns.

National studies also show that students are most likely to complete stackable pathways when credit applies meaningfully to degree requirements, not as elective or "free" credit. The limited credit value of many Florida statewide agreements (often 3–9 credits) may offer insufficient incentive to pursue additional stacking.

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## E. GAPS IN ARTICULATION AGREEMENTS

### Findings From the Data Analysis

The data analysis reveals several significant gaps that limit the effectiveness of Florida's articulation pathways and reduce the likelihood that students will advance from one credential to the next.

**Geographic misalignment** remains one of the most substantial opportunities for improvement. In many regions, particularly rural and mid-sized service areas, students can complete the first credential in a pathway (such as a district career certificate or a high-volume industry certification) but do not have access to the aligned AS or AAS degree at their local college. Without a complete pathway within commuting distance, students must transfer institutions, travel long distances or enroll online to continue their education. OPPAGA identifies this same pattern as a major contributor to low statewide utilization, and national research confirms that geographic gaps significantly reduce continuation rates, especially for working adults and low-income students who have limited mobility.

**Limited credit awards** also weaken the motivational value of articulation agreements. Many statewide agreements guarantee only 3 to 9 credits, which, although helpful, rarely shorten program length. Florida's data analysis shows that institutions awarding larger numbers of articulated hours per student have higher completion rates, underscoring the importance of credit value. Research from CCRC similarly finds that articulation agreements are most effective when they offer substantial, program-applicable credit rather than small amounts of elective credit that do little to reduce time to degree.

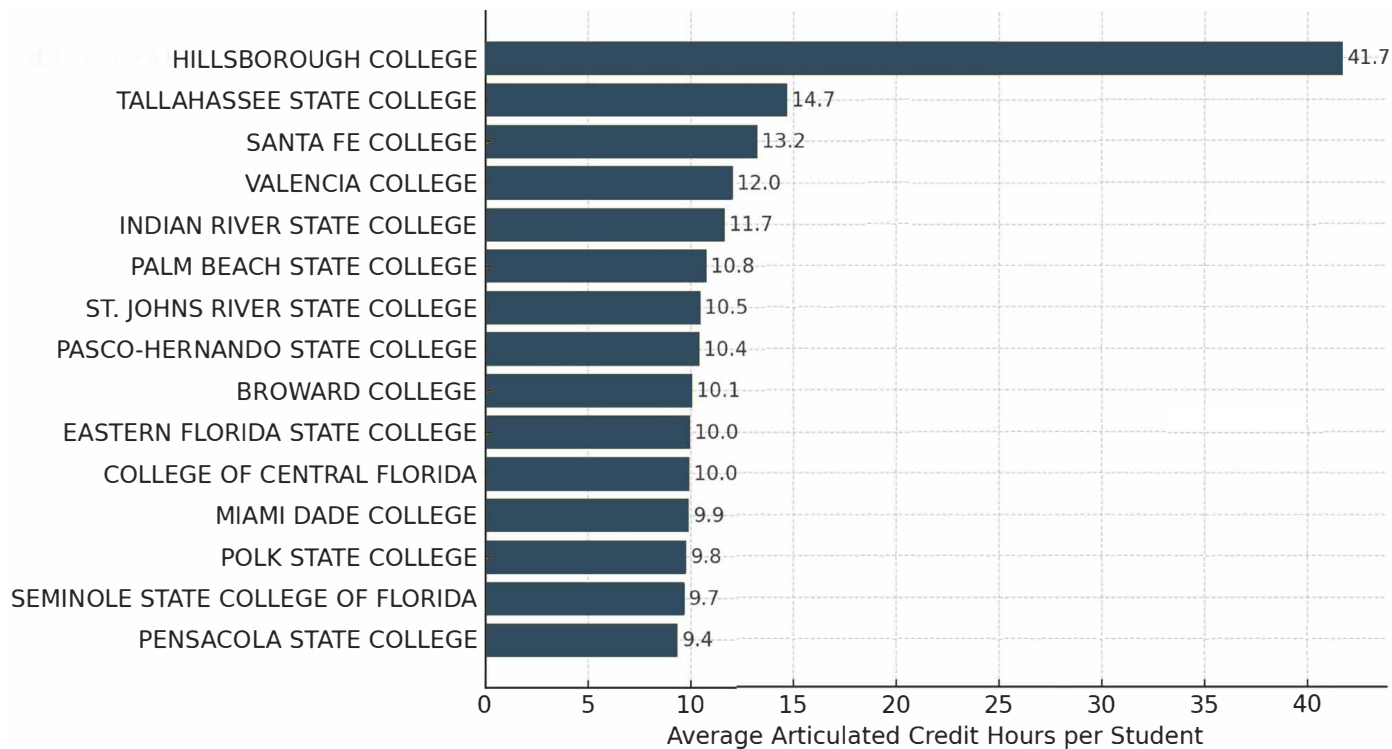
**Inconsistent local practices** further contribute to uneven student experiences. Colleges vary in when and how they award articulated credit, whether credit is posted at admission or much later and whether faculty consistently apply statewide or local crosswalks. These inconsistencies make credit outcomes unpredictable. The statewide data analysis highlights that students who receive articulated credit within the first academic semester in their academic record demonstrate stronger momentum and improved completion outcomes, while students whose credit is posted late see little practical benefit. OPPAGA similarly notes that students may be unaware of their credit opportunities because colleges differ in how they evaluate and communicate credit awards.

**Research Question:** Are there gaps in articulation agreements that may make it difficult for students to continue to advance their education?

**Why this question matters:** Identifying gaps enables institutions and policymakers to strengthen the system and improve student mobility. Gaps highlight where pathways break down due to program design, advising, policy or institutional practice.

### Top 15 FCS Institutions by Articulation Efficiency

Metric: average articulated credit hours awarded per student receiving credit



This chart ranks FCS institutions by average articulated credit hours awarded per student receiving credit. While many analyses focus on the total number of credits awarded, this metric highlights depth of implementation or how fully institutions apply articulated credit to accelerate student progression once students qualify for it.

Institutions like Hillsborough College, Tallahassee State College and Santa Fe College stand out for awarding higher average credit amounts, suggesting strong prior learning policies, automated processes and robust advising practices. These colleges are awarding meaningful volumes that shorten time-to-degree and reduce student cost.

While dual enrollment is an important acceleration pathway, this articulation efficiency metric reflects credit awarded after FTIC enrollment, not dual enrollment credit earned while in high school.

Taken together, these gaps highlight the need for stronger regional alignment, more meaningful credit awards and consistent statewide practices that ensure students can fully benefit from the articulation pathways Florida has built.

Roundtable participants emphasized that although statewide articulation frameworks provide a strong foundation, the impact of these agreements varies widely across institutions. Differences in staffing structures, local partnership histories and institutional processes shape how consistently

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agreements are communicated, implemented and monitored. Participants highlighted that colleges with strong cross-institution communication and clear internal roles experience smoother student transitions and higher utilization of articulated credit. Conversely, institutions with fragmented communication or unclear processes reported inconsistencies in advising and credit transcription. These practitioner insights help contextualize statewide variation observed throughout the report.

### **Comparison to National Research**

States that achieve stronger transfer outcomes, such as Ohio, Washington and Colorado, mandate automatic transcription of credit, statewide guaranteed degree applicability and uniform program maps (Jenkins and Fink, 2016). Florida has many system components in place but lacks statewide consistency in implementation, which limits the full potential of its articulation framework.

## **F. CONCLUSION**

Florida has built one of the most comprehensive articulation ecosystems in the nation, but the workforce data analysis reveals important opportunities to strengthen implementation. Students benefit from acceleration pathways and articulated credit, but regional alignment gaps, inconsistent advising and policy limitations constrain continued progression.

National research reinforces Florida's findings that articulation systems are most effective when pathways are clearly defined, when the full sequence of credentials is available within a student's region and when credit is awarded automatically rather than through cumbersome or inconsistent processes. Addressing these gaps will increase credential attainment, support workforce development and improve economic mobility across Florida.

Roundtable participants repeatedly identified advising capacity and process clarity as major drivers of articulation outcomes. Many institutions lack automated systems to flag students eligible for articulated credit, and in some cases, advisors do not receive timely information about student certifications or district CTE completions. Participants also noted that unclear internal roles between advising, registrar and academic departments lead to inconsistent transcription practices. These operational gaps help explain why students often fail to receive the full benefit of statewide agreements, despite having earned eligible credentials.

## XI. CONCLUSION

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This report provides a comprehensive view of articulation agreement activity across Florida's workforce and postsecondary education systems, revealing both promising practices and critical opportunities for improvement. Across Statewide Career Pathways, Gold Standard Career Pathways and Applied Technology Diploma (ATD) to Associate in Science (AS/AAS) transitions, the data show strong institutional engagement but also notable inconsistencies in implementation, credit articulation and program availability.

Clear patterns emerge: a concentration of activity in a few career clusters, such as Health Science and Information Technology and uneven coverage across institutions and regions. While some colleges have developed robust, transparent pathways with high credit transfer value, others show minimal articulation activity or lack documentation altogether. The disparity underscores the need for more standardized articulation practices, expansion of more agreements and stronger coordination between technical centers and FCS institutions.

Moreover, the variation in credit awarded for similar credentials, coupled with inconsistent publication of articulation maps, suggests that students may not be receiving the full benefit of policies designed to accelerate their educational progress. This limits transparency to the students, reduces efficiency and may contribute to excess credits or delayed completion.

Roundtable participants cautioned that while credit standardization could improve clarity and consistency, it may also reduce credit awarded at institutions that currently provide more generous or more detailed credit alignment through local agreements. Roundtable participants recommended conducting an institutional audit of credit award practices before setting statewide ranges or minimums. This would ensure that any statewide standard does not unintentionally disadvantage students currently receiving higher credit awards and that program-level faculty input is incorporated appropriately.

To address these challenges, Florida should prioritize:

- Statewide standardization of articulation practices,
- A centralized web location for student transparency and utilization monitoring,
- Published, program-level maps for student and advisor clarity, and
- Intentional alignment of all pathways to stackable credentials and workforce demand.

Insights from the Regional Roundtables highlight that strengthening Florida's articulation system requires coordinated attention to both statewide policy and day-to-day institutional practice. Participants emphasized the need for clearer processes, more consistent advising, shared terminology and stronger cross-institution collaboration. Aligning statewide policy improvements with strengthened institutional capacity will be essential to improving transfer efficiency, increasing student momentum and supporting Florida's long-term workforce goals.

Ultimately, strong articulation agreements are not just administrative tools, they are essential components of an acceptable and efficient education system. By ensuring that every student has a clear, supported and credit-worthy path from secondary and technical education into postsecondary success, Florida can meet its workforce goals and provide more students with access to high-value credentials and economic mobility.

## XII. APPENDIX A

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The methodology was designed to gather, validate and analyze articulation agreement data submitted by FCS institutions in partnership with the Division of Florida Colleges, the Office of Articulation and the Division of Career and Adult Education. The analysis focused on the structure, availability and utilization of articulation pathways that support student transitions from technical programs into associate degree programs.

Beginning with an ad-hoc institutional data collection in May 2025, the process ensured that submitted records were standardized and validated before moving into deeper analysis. Descriptive analytics revealed patterns in credential types, program areas and credit articulation. From there, agreements were classified and mapped to highlight trends and outliers across institutions and regions. The final step envisioned integration with workforce systems, enabling future analyses of student-level outcomes such as credential attainment, employment and earnings. This pipeline ensured that articulation efforts were not only documented but also leveraged to improve student mobility and strengthen workforce alignment statewide.

### A. DATA COLLECTION

In spring 2025, each FCS institution was asked to complete a standardized workbook titled the Articulation Master File. This workbook included five primary tabs:

- Gold Standard Career Pathways
- Statewide Career Pathways
- ATD to AS/AAS Pathways
- Additional Local Career Agreements
- Institutional Summary

Institutions were instructed to verify the postsecondary programs they offer and identify where articulation agreements apply. They also provided course equivalency details, credit hour awards and associated degree programs aligned with each agreement. All submissions were due by May 15, 2025, and included both standardized articulation frameworks and institution-specific agreements.

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## **Institutions Included in the Analysis**

### **Florida College System (FCS) Institutions**

- |                                          |                                                |
|------------------------------------------|------------------------------------------------|
| 1. Broward College                       | 15. Northwest Florida State College            |
| 2. Chipola College                       | 16. Palm Beach State College                   |
| 3. College of Central Florida            | 17. Pasco-Hernando State College               |
| 4. Daytona State College                 | 18. Pensacola State College                    |
| 5. Eastern Florida State College         | 19. Polk State College                         |
| 6. Florida Gateway College               | 20. Santa Fe College                           |
| 7. Florida SouthWestern State College    | 21. Seminole State College of Florida          |
| 8. Florida State College at Jacksonville | 22. South Florida State College                |
| 9. Gulf Coast State College              | 23. St. Johns River State College              |
| 10. Hillsborough College                 | 24. St. Petersburg College                     |
| 11. Indian River State College           | 25. State College of Florida, Manatee–Sarasota |
| 12. Lake-Sumter State College            | 26. Tallahassee State College                  |
| 13. Miami Dade College                   | 27. Valencia College                           |
| 14. North Florida College                | 28. The College of the Florida Keys            |

### **District Technical Colleges (District Tech)**

- |                                         |                                                 |
|-----------------------------------------|-------------------------------------------------|
| 1. Tom P. Haney Technical College       | 14. Lively Technical College                    |
| 2. Big Bend Technical College           | 15. Lorenzo Walker Technical College            |
| 3. Broward District Schools             | 16. Manatee Technical College                   |
| 4. Cape Coral Technical College         | 17. Marion Technical College                    |
| 5. Emerald Coast Technical College      | 18. Miami-Dade County Public Schools            |
| 6. First Coast Technical College        | 19. Pinellas Technical College – St. Petersburg |
| 7. Fred K. Marchman Technical College   | 20. Pinellas Technical College – Clearwater     |
| 8. Flagler Technical College            | 21. Riveroak Technical College                  |
| 9. Fort Myers Technical College         | 22. Sarasota Technical College                  |
| 10. Florida Panhandle Technical College | 23. Treasure Coast Technical College            |
| 11. Gadsden Technical College           | 24. Wilton Simpson Technical College            |
| 12. George Stone Technical College      | 25. Withlacoochee Technical College             |
| 13. Immokalee Technical College         |                                                 |

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*Note that districts represented may have multiple technical colleges and included data from those sites in one single submission.*

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## **B DATA PREPARATION AND VALIDATION**

After data collection, institutional submissions were consolidated into a unified dataset. This involved:

- Standardizing variable names and values (e.g., institution names, agreement types, program areas, credential types)
- Coding agreement types (Gold Standard, Statewide, ATD-AS/AAS, Local)
- Validating for completeness and consistency (e.g., checking for missing fields, inconsistent credit awards, duplicate entries)
- Resolving anomalies through direct follow-up with institutions as needed

## **C. DESCRIPTIVE AND COMPARATIVE ANALYSIS**

Using the cleaned dataset, descriptive analyses were performed to assess patterns of articulation activity across the state. Key steps included:

- Frequency counts of articulation agreements by type, institution and region
- Cross-tabulation of agreement types by program area (e.g., Health Sciences, Information Technology, Manufacturing)
- Identification of duplicate or overlapping agreements across institutions
- Mapping of articulation pathways to determine coverage and gaps by geographic area and credential type

## **D. CLASSIFICATION AND GAP IDENTIFICATION**

Local agreements were classified by:

- Type of sending and receiving credential (e.g., Career Certificate to AS, Apprenticeship to AAS)
- Program area (e.g., Business, Education, Public Safety)
- Whether the pathway leads to further education or is terminal

Visual maps and tables were developed to identify:

- Geographic or programmatic gaps in articulation pathways
- Institutions that offer relevant programs but lack corresponding agreements
- Variation in credit awards across similar credential types

## **E. INTEGRATION WITH WORKFORCE PRIORITIES**

The analysis was framed by workforce education priorities, including:

- Increasing credential attainment in high-demand industries
- Reducing duplication of coursework and time to completion
- Expanding local opportunities for upward mobility

## XIII. APPENDIX B

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Overview of Appendix B: To increase each student's opportunity to achieve their educational goals at the secondary and postsecondary levels, the Florida Student Success Center (Center) conducted an inventory analysis on career pathways focused on the local use of articulation agreements in relation to student progression and achievement. Leadership at each district career center and state college were asked to submit data on (a) all currently active local career articulation agreements and (b) any statewide career-related articulation agreements currently used by their institution during the spring 2025 term.

The following career articulation agreements are provided in this appendix:

**Career Articulation Inventory:**

- Gold Standard Agreements
- Statewide Career Pathways – AS/AAS
- ATD- AS/AAS
- Other Local Career Agreements

## XIV. APPENDIX C

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### GLOSSARY OF TERMS

#### **Accelerated Credit**

College credit earned through AP, IB, AICE, CLEP, dual enrollment, industry certifications or other acceleration mechanisms while still in high school or prior to college enrollment.

#### **Additional Career Agreements / Local Career Agreements**

Institution-specific articulation agreements that extend beyond statewide frameworks to award credit for locally defined partnerships, high school CTE programs, career certificates, workforce training or industry certifications.

#### **Applied Technology Diploma (ATD)**

A short-term postsecondary program offered by district technical centers or colleges that prepares students for entry-level employment and may articulate into an Associate in Science (AS) or Associate in Applied Science (AAS) degree.

#### **Articulated Credit**

College credit awarded for prior learning or demonstrated competency through mechanisms such as industry certifications, clock-hour programs, ATDs or high school CTE coursework.

#### **Articulation Agreement**

A formal, documented agreement that identifies how learning achieved in one educational setting (e.g., high school CTE, district technical college) will transfer as college credit toward a degree program.

#### **Articulation Master File**

The standardized workbook submitted by institutions in May 2025 documenting all active articulation agreements across four major categories: Gold Standard, Statewide Career Pathways, ATD → AS/AAS and Additional Career Agreements.

#### **Associate in Applied Science (AAS) Degree**

A workforce-focused degree that prepares students for direct entry into high-demand occupations. Some AAS degrees articulate into bachelor's programs, depending on institutional policies.

#### **Associate in Science (AS) Degree**

A career-oriented degree that includes general education and technical coursework. Often aligns with industry-recognized credentials and articulates with technical college programs.

#### **Career Certificate**

A clock-hour program offered by district technical centers that prepares students for a specific occupation. Many programs articulate into AS/AAS degree pathways.

#### **Career Cluster**

A grouping of occupations and industries (e.g., Health Science, Information Technology, Manufacturing) used to organize articulation agreements and program alignment.

#### **Clock-Hour to Credit Conversion**

The process of converting clock-hour coursework in district technical colleges into college credit applicable to AS/AAS degree programs.

#### **Continuing Student**

A student who completes a district technical college program and subsequently enrolls in a Florida College System (FCS) institution.

#### **CIP Code (Classification of Instructional Programs)**

A standardized code used to identify and align workforce and academic programs across district technical colleges and the FCS.

#### **District Technical Colleges/Centers**

48 Technical Colleges/Centers offering workforce certificates and degrees.

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### **Dual Enrollment**

A program that allows high school students to take postsecondary courses and earn both high school and college credit simultaneously.

### **First-Time-in-College (FTIC) Student**

A student entering postsecondary education for the first time, as defined by IPEDS and used in the FCS dataset.

### **Florida College System (FCS)**

The system of 28 public colleges in Florida offering workforce certificates, associate degrees and bachelor's degrees.

### **Gold Standard Career Pathways (Gold Standard Agreements)**

Statewide articulation agreements through which students who earn approved industry certifications receive guaranteed college credit toward aligned AS/AAS degree programs.

### **Industry Certification**

A third-party credential validating workforce competencies. Many certifications articulate into AS/AAS degree credit through Gold Standard or local agreements.

### **Local Articulation Agreement**

A partnership-specific agreement between a district technical college and an FCS institution, defining credit awards not governed by statewide policy.

### **Pathway / Career Pathway**

A sequenced set of education and training programs—including credentials, certificates, ATDs and degrees—that enable students to progress toward higher-level credentials and employment.

### **Program Map / Articulation Map**

A published guide that illustrates how a credential (e.g., certification, ATD, career certificate) articulates into an AS/AAS degree, including equivalent courses and total credit awarded.

### **Regional Alignment**

The extent to which district technical college programs and aligned AS/AAS degrees are both available within a student's geographic region—an important predictor of student continuation.

### **Regional Career Pathways**

Section 1007.233, Florida Statutes, requires Florida College System (FCS) institutions to submit a regional career pathways agreement for each certificate program offered by the career center(s) in its service area that is aligned with an associate degree offered by the FCS institution.

### **Stackable Credential**

A credential designed to build on previous learning, allowing students to progress from short-term training (e.g., certificate) to higher-level degrees with minimal duplication.

### **Statewide Career Pathways**

Guaranteed articulation agreements specified in section 1007.233, Florida Statute, state that award articulated credit from district technical colleges to FCS institutions for aligned certificate-to-degree pathways.

### **Statewide Career Pathways Agreement**

An annually submitted regional agreement ensuring articulated credit for career certificate completers moving into aligned AS/AAS programs.

### **Transcription of Credit**

The institutional process of posting articulated or accelerated credit to a student's official transcript. Timing is critical for program momentum and degree completion.

### **Workforce Development Information System (WDIS)**

The statewide data system housing district technical college student enrollment, completion and industry certification records used for longitudinal analysis.

## XV. REFERENCES

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- Community College Research Center (CCRC).** (2016). *Tracking transfer: New measures of state and institutional effectiveness in helping community college students attain bachelor's degrees* (Jenkins, D., and Fink, J.). Teachers College, Columbia University. <https://ccrc.tc.columbia.edu/publications/tracking-transfer.html>
- Education Commission of the States (ECS).** (2018). *Journey to credit mobility success: Are there gaps in the tracks?* <https://www.ecs.org/journey-to-credit-mobility-success-are-there-gaps-in-the-tracks/>
- Giani, M. S.** (2019). The correlates of credit loss: How demographics, pre-transfer academics and institutions matter. *Research in Higher Education*, 60(1), 86–114. <https://pmc.ncbi.nlm.nih.gov/articles/PMC6820296/>
- National Student Clearinghouse Research Center (NSCRC).** (2017). *The role of early momentum metrics in postsecondary success* (Shapiro, D., et al.). <https://nscresearchcenter.org>
- Office of Program Policy Analysis and Government Accountability (OPPAGA).** (2023). *Career statewide articulation agreements* (Report No. 23-10). Florida Legislature. [23-10.pdf](#)
- González Canché, M. S.** (2025). How are statewide and bilateral articulation agreements functioning? *Research in Higher Education*. <https://link.springer.com/article/10.1007/s11162-024-09831-5>

FLORIDA COLLEGE SYSTEM- GOLD STANDARD CAREER PATHWAYS AGREEMENTS OF INDUSTRY CERTIFICATION TO AS/AAS DEGREE

| INSTITUTION                 | INDUSTRY<br>CERTIFICATION<br>CODE | INDUSTRY CERTIFICATION TITLE                                             | NUMBER<br>OF CREDITS<br>ARTICULATED<br>PER GOLD<br>STANDARD | NUMBER<br>OF CREDITS<br>ARTICULATED BY<br>INSTITUTION/<br>CAREER CENTER | 10-DIGIT CIP<br>NUMBER | COLLEGE CREDIT COURSE                                               | ASSOCIATE DEGREE<br>PROGRAM                       | ASSOCIATE DEGREE<br>CAREER CLUSTER             | ASSOCIATE DEGREE<br>PROGRAM LENGTH |
|-----------------------------|-----------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------|------------------------------------|
| College of the Florida Keys | ABAYC003                          | Marine Electrical Certification                                          | 3                                                           | 3                                                                       | 0647060500             | MTE 1400c-Applied Marine Electricity                                | Marine Engineering,<br>Management &<br>Seamanship | Transportation,<br>Distribution &<br>Logistics | 66 credit hours                    |
| College of the Florida Keys | NCSBN002                          | National Licensed Practical Nurse (NCLEX-PN)                             | 10                                                          | 10                                                                      | 1351380100             | PSY 2012, General Psychology and NUR 1020C, Fundamentals of Nursing | Nursing R.N.                                      | Health Science                                 | 72 credit hours                    |
| College of the Florida Keys | NRAEF003                          | Certified Food Protection Manager (ServSafe®)                            | 3                                                           | 3                                                                       | 1612050401             | FOS2201 Food Service Sanitation & safety                            | Culinary<br>Management                            | Hospitality & Tourism                          | 60 credit hours                    |
| College of the Florida Keys | NRAEF003                          | Certified Food Protection Manager (ServSafe®)                            | 3                                                           | 3                                                                       | 1252090501             | FOS2201 Food Service Sanitation & safety                            | Restaurant<br>Management                          | Hospitality & Tourism                          | 60 credit hours                    |
| College of the Florida Keys | NREMT001                          | Emergency Medical Technician (EMT)                                       | 9                                                           | 12                                                                      | 1351090402             | EMS 1158C-Emergency Medical Technician                              | Emergency Medical<br>Services                     | Health Science                                 | 73 credit hours                    |
| Daytona State College       | ACFAT001                          | Accredited Business Accountant (ABA)                                     | 3                                                           |                                                                         | 1552030201             | APA1111 Office Accounting I                                         | Accounting<br>Technology                          | Business<br>Management and<br>Administration   | 60 credit hours                    |
| Daytona State College       | ACFED002                          | Certified Culinarian (CC)                                                | 3                                                           |                                                                         | 1612050401             | none                                                                | Culinary<br>Management                            | Hospitality & Tourism                          | 60 credit hours                    |
| Daytona State College       | ACFED006                          | Certified Fundamentals Cook                                              | 3                                                           |                                                                         | 1252090101             | none                                                                | Hospitality & Tourism<br>Management               | Hospitality & Tourism                          | 60 credit hours                    |
| Daytona State College       | ADESK008                          | Autodesk Certified User - Revit                                          | 3                                                           |                                                                         | 1615100102             | ETD2390C Introduction to Rebit Architecture and Lab                 | Building Construction<br>Technology               | Architecture &<br>Construction                 | 60 credit hours                    |
| Daytona State College       | ADESK011                          | Autodesk Certified User - Inventor                                       | 3                                                           |                                                                         | 1615000001             | ETD2357C Inventor Solid Modeling and Lab                            | Engineering<br>Technology                         | Manufacturing                                  | 60 credit hours                    |
| Daytona State College       | ADESK024                          | Autodesk Certified Professional - Inventor                               | 3                                                           |                                                                         | 1615000001             | ETD2357C Inventor Solid Modeling and Lab                            | Engineering<br>Technology                         | Manufacturing                                  | 60 credit hours                    |
| Daytona State College       | ADESK032                          | Autodesk Certified User - Fusion 360                                     | 3                                                           |                                                                         | 1615000001             | EET1011C Introduction to Electrical Circuits and Lab                | Engineering<br>Technology                         | Manufacturing                                  | 60 credit hours                    |
| Daytona State College       | ADESK033                          | Autodesk Certified Associate in CAD for Mechanical Design                | 3                                                           |                                                                         | 1615000001             | ETD2340C Computer Aided Drafting II (AutoCAD) and Lab               | Engineering<br>Technology                         | Manufacturing                                  | 60 credit hours                    |
| Daytona State College       | ADESK035                          | Autodesk Certified Associate in CAM for Turning                          | 3                                                           |                                                                         | 1615000001             | none                                                                | Engineering<br>Technology                         | Manufacturing                                  | 60 credit hours                    |
| Daytona State College       | ADESK036                          | Autodesk Certified Expert in CAM for Multi-Axis Milling                  | 3                                                           |                                                                         | 1615030301             | none                                                                | Electronics<br>Engineering<br>Technology          | Manufacturing                                  | 68 credit hours                    |
| Daytona State College       | ADESK037                          | Autodesk Certified Expert in Generative Design for Manufacturing         | 3                                                           |                                                                         | 1615030301             | none                                                                | Electronics<br>Engineering<br>Technology          | Manufacturing                                  | 68 credit hours                    |
| Daytona State College       | ADESK038                          | Autodesk Certified Professional in CAM for 3 Axis Milling                | 3                                                           |                                                                         | 1615000001             | none                                                                | Engineering<br>Technology                         | Manufacturing                                  | 60 credit hours                    |
| Daytona State College       | ADESK039                          | Autodesk Certified Professional in Design for Manufacturing              | 3                                                           |                                                                         | 1615000001             | ETD2465C Tool Design and Lab                                        | Engineering<br>Technology                         | Manufacturing                                  | 60 credit hours                    |
| Daytona State College       | ADESK040                          | Autodesk Certified Professional in Simulation for Static Stress Analysis | 3                                                           |                                                                         | 1615000001             | ETG2520 Statics and Strength of Materials                           | Engineering<br>Technology                         | Manufacturing                                  | 60 credit hours                    |
| Daytona State College       | ADESK040                          | Autodesk Certified Professional in Simulation for Static Stress Analysis | 3                                                           |                                                                         | 1615030301             | ETG2520 Statics and Strength of Materials                           | Electronics<br>Engineering<br>Technology          | Manufacturing                                  | 68 credit hours                    |
| Daytona State College       | AIOPB001                          | Certified Bookkeeper                                                     | 3                                                           |                                                                         | 1552030201             | APA1111 Office Accounting I                                         | Accounting<br>Technology                          | Business<br>Management and<br>Administration   | 60 credit hours                    |
| Daytona State College       | APPLE002                          | Apple Certified Technical Coordinator                                    | 2                                                           |                                                                         | 1511100112             | none                                                                | Network Systems<br>Technology                     | Information<br>Technology                      | 60 credit hours                    |

| INSTITUTION           | INDUSTRY CERTIFICATION CODE | INDUSTRY CERTIFICATION TITLE                                                  | NUMBER OF CREDITS ARTICULATED PER GOLD STANDARD | NUMBER OF CREDITS ARTICULATED BY INSTITUTION/ CAREER CENTER | 10-DIGIT CIP NUMBER | COLLEGE CREDIT COURSE                       | ASSOCIATE DEGREE PROGRAM                | ASSOCIATE DEGREE CAREER CLUSTER      | ASSOCIATE DEGREE PROGRAM LENGTH |
|-----------------------|-----------------------------|-------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------------------------------|-----------------------------------------|--------------------------------------|---------------------------------|
| Daytona State College | APPLE019                    | Apple Certified Support Professional                                          | 2                                               |                                                             | 1511100112          | none                                        | Network Systems Technology              | Information Technology               | 60 credit hours                 |
| Daytona State College | APPLE020                    | Apple Certified Pro (ACP) - Final Cut Pro X                                   | 3                                               |                                                             | 1609070213          | none                                        | Digital Television and Media Production | Arts, A/V Technology & Communication | 60 credit hours                 |
| Daytona State College | APPLE021                    | Apple App Development with Swift Certified User                               | 3                                               |                                                             | 1511020101          | none                                        | Computer Programming and Analysis       | Information Technology               | 60 credit hours                 |
| Daytona State College | APPLE022                    | Apple App Development with Swift Associate                                    | 3                                               |                                                             | 1511020101          | none                                        | Computer Programming and Analysis       | Information Technology               | 60 credit hours                 |
| Daytona State College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               |                                                             | 1511010307          | COP2700 Introduction to Database Management | Computer Information Technology         | Information Technology               | 60 credit hours                 |
| Daytona State College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               |                                                             | 1511020101          | COP2700 Introduction to Database Management | Computer Programming and Analysis       | Information Technology               | 60 credit hours                 |
| Daytona State College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management | 3                                               |                                                             | 1511010307          | CET2154 Computer Hardware and Software      | Computer Information Technology         | Information Technology               | 60 credit hours                 |
| Daytona State College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management | 3                                               |                                                             | 1511080200          | none                                        | Database Technology                     | Information Technology               | 60 credit hours                 |
| Daytona State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                          | 3                                               |                                                             | 1511010307          | none                                        | Computer Information Technology         | Information Technology               | 60 credit hours                 |
| Daytona State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                          | 3                                               |                                                             | 1511020101          | CGS2820 Web Programming                     | Computer Programming and Analysis       | Information Technology               | 60 credit hours                 |
| Daytona State College | CERTI012                    | Information Technology Specialist (ITS) - Python                              | 3                                               |                                                             | 1511020101          | none                                        | Computer Programming and Analysis       | Information Technology               | 60 credit hours                 |
| Daytona State College | CERTI013                    | Information Technology Specialist (ITS) – Java                                | 3                                               |                                                             | 1511020101          | none                                        | Computer Programming and Analysis       | Information Technology               | 60 credit hours                 |
| Daytona State College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                     | 3                                               |                                                             | 1511010307          | CTS2375 Essentials of Cloud Computing       | Computer Information Technology         | Information Technology               | 60 credit hours                 |
| Daytona State College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                     | 3                                               |                                                             | 1511100112          | CTS2375 Essentials of Cloud Computing       | Network Systems Technology              | Information Technology               | 60 credit hours                 |
| Daytona State College | CISCO005                    | Cisco Certified Network Professional (CCNP)                                   | 12                                              |                                                             | 1615120100          | none                                        | Computer Engineering Technology         | Manufacturing                        | 68 credit hours                 |
| Daytona State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                      | 3                                               |                                                             | 1511010307          | none                                        | Computer Information Technology         | Information Technology               | 60 credit hours                 |
| Daytona State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                      | 6                                               |                                                             | 1511100112          | none                                        | Network Systems Technology              | Information Technology               | 60 credit hours                 |
| Daytona State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                       | 3                                               |                                                             | 1511100112          | none                                        | Network Systems Technology              | Information Technology               | 60 credit hours                 |
| Daytona State College | CISCO029                    | Cisco Certified Support Technician (CCST) Networking                          | 3                                               |                                                             | 1511010307          | none                                        | Computer Information Technology         | Information Technology               | 60 credit hours                 |
| Daytona State College | COMPT001                    | CompTIA A+                                                                    | 6                                               |                                                             | 1615120100          | CET2154 Computer Hardware and Software      | Computer Engineering Technology         | Manufacturing                        | 68 credit hours                 |

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|-----------------------|-----------------------------------|---------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|------------------------------------|
| Daytona State College | COMPT005                          | CompTIA Linux+                                    | 3                                                           |                                                                         | 1511020101             | CTS 2321 Linux Fundamentals                                                                                  | Computer Programming and Analysis     | Information Technology               | 60 credit hours                    |
| Daytona State College | COMPT006                          | CompTIA Network+                                  | 3                                                           |                                                                         | 1615120100             | CET1600 Network Plus                                                                                         | Computer Engineering Technology       | Manufacturing                        | 68 credit hours                    |
| Daytona State College | COMPT007                          | CompTIA Project+                                  | 3                                                           |                                                                         | 1511100112             | CTS2214 Project Management w/Microsoft Project                                                               | Network Systems Technology            | Information Technology               | 60 credit hours                    |
| Daytona State College | COMPT009                          | CompTIA Server+                                   | 3                                                           |                                                                         | 1615120100             | CTS2353 Networking with Windows Server                                                                       | Computer Engineering Technology       | Manufacturing                        | 68 credit hours                    |
| Daytona State College | COMPT009                          | CompTIA Server+                                   | 3                                                           |                                                                         | 1511010307             | CTS2353 Networking with Windows Server                                                                       | Computer Information Technology       | Information Technology               | 60 credit hours                    |
| Daytona State College | COMPT009                          | CompTIA Server+                                   | 3                                                           |                                                                         | 1511100112             | CTS2353 Networking with Windows Server                                                                       | Network Systems Technology            | Information Technology               | 60 credit hours                    |
| Daytona State College | COMPT018                          | CompTIA Tech+                                     | 3                                                           |                                                                         | 1511010307             | none                                                                                                         | Computer Information Technology       | Information Technology               | 60 credit hours                    |
| Daytona State College | COMPT018                          | CompTIA Tech+                                     | 3                                                           |                                                                         | 1511020101             | none                                                                                                         | Computer Programming and Analysis     | Information Technology               | 60 credit hours                    |
| Daytona State College | COMPT018                          | CompTIA Tech+                                     | 3                                                           |                                                                         | 1511100112             | none                                                                                                         | Network Systems Technology            | Information Technology               | 60 credit hours                    |
| Daytona State College | CPREC001                          | Child Development Associate (CDA)                 | 9                                                           |                                                                         | 1413121004             | “CHD2320 Curriculum Planning<br>EEC2401 Home, School, and Community<br>CHD1220 Child Growth and Development” | Early Childhood Education             | Education and Training               | 60 credit hours                    |
| Daytona State College | DANBD002                          | Certified Orthodontic Assistant                   | 3                                                           |                                                                         | 1351060200             | none                                                                                                         | Dental Hygiene                        | Health Science                       | 88 credit hours                    |
| Daytona State College | ENTCP001                          | ETCP Certified Entertainment Electrician          | 3                                                           |                                                                         | 1650091300             | none                                                                                                         | Music and Sound Production Technology | Arts, A/V Technology & Communication | 64 credit hours                    |
| Daytona State College | ENTCP003                          | ETCP Certified Rigger – Theatre                   | 3                                                           |                                                                         | 1650091300             | none                                                                                                         | Music and Sound Production Technology | Arts, A/V Technology & Communication | 64 credit hours                    |
| Daytona State College | ETAIN008                          | Associate Certified Electronics Technician (CETa) | 3                                                           |                                                                         | 1615030301             | none                                                                                                         | Electronics Engineering Technology    | Manufacturing                        | 68 credit hours                    |
| Daytona State College | ETAIN008                          | Associate Certified Electronics Technician (CETa) | 3                                                           |                                                                         | 1615000001             | none                                                                                                         | Engineering Technology                | Manufacturing                        | 60 credit hours                    |
| Daytona State College | ETAIN012                          | Photonics Technician-Operator (PTO)               | 3                                                           |                                                                         | 1615030301             | none                                                                                                         | Electronics Engineering Technology    | Manufacturing                        | 68 credit hours                    |
| Daytona State College | ETAIN013                          | Photonics Technician Specialist (PTS)             | 3                                                           |                                                                         | 1615030301             | none                                                                                                         | Electronics Engineering Technology    | Manufacturing                        | 68 credit hours                    |
| Daytona State College | ETAIN014                          | Photovoltaic Installer (PVI) - Level 1            | 3                                                           |                                                                         | 1615030301             | none                                                                                                         | Electronics Engineering Technology    | Manufacturing                        | 68 credit hours                    |
| Daytona State College | ETAIN022                          | Specialist in Precision Optics (SPO)              | 3                                                           |                                                                         | 1615030301             | none                                                                                                         | Electronics Engineering Technology    | Manufacturing                        | 68 credit hours                    |
| Daytona State College | ETAIN023                          | Technician in Precision Optics (TPO)              | 3                                                           |                                                                         | 1615030301             | none                                                                                                         | Electronics Engineering Technology    | Manufacturing                        | 68 credit hours                    |
| Daytona State College | FDMQA001                          | Basic X-Ray Machine Operator                      | 3                                                           |                                                                         | 1351091100             | none                                                                                                         | Radiography                           | Health Science                       | 77 credit hours                    |

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|-----------------------|-----------------------------|---------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-------------------------------------------|------------------------------------|----------------------------------------|---------------------------------|
| Daytona State College | FDMQA030                    | 911 Public Safety Telecommunicator                                              | 3                                               |                                                             | 1743010302          | none                                      | Criminal Justice Technology        | Law, Public Safety & Security          | 60 credit hours                 |
| Daytona State College | FLDLE002                    | Correctional Officer                                                            | 6                                               |                                                             | 1743010302          | none                                      | Criminal Justice Technology        | Law, Public Safety & Security          | 60 credit hours                 |
| Daytona State College | FLDLE003                    | Correctional Probation Officer                                                  | 6                                               |                                                             | 1743010302          | none                                      | Criminal Justice Technology        | Law, Public Safety & Security          | 60 credit hours                 |
| Daytona State College | FLDLE004                    | Law Enforcement Officer                                                         | 12                                              |                                                             | 1743010302          | none                                      | Criminal Justice Technology        | Law, Public Safety & Security          | 60 credit hours                 |
| Daytona State College | FLDOE004                    | Florida Teacher Certification Examinations (FTCE) - Professional Education Test | 3                                               |                                                             | 1413121004          | none                                      | Early Childhood Education          | Education and Training                 | 60 credit hours                 |
| Daytona State College | GRBCI002                    | LEED Green Associate                                                            | 2                                               |                                                             | 1615100102          | BCN2049 Sustainable Design & Construction | Building Construction Technology   | Architecture & Construction            | 60 credit hours                 |
| Daytona State College | ICOEC006                    | EC-Council Ethical Hacker Associate                                             | 3                                               |                                                             | 1511100112          | none                                      | Network Systems Technology         | Information Technology                 | 60 credit hours                 |
| Daytona State College | INTUT001                    | Quickbooks Certified User                                                       | 3                                               |                                                             | 1552030201          | APA1111 Office Accounting I               | Accounting Technology              | Business Management and Administration | 60 credit hours                 |
| Daytona State College | INTUT001                    | Quickbooks Certified User                                                       | 3                                               |                                                             | 1552020102          | APA1111 Office Accounting I               | Business Administration            | Business Management and Administration | 60 credit hours                 |
| Daytona State College | INTUT002                    | Entrepreneurship & Small Business                                               | 3                                               |                                                             | 1552020102          | none                                      | Business Administration            | Business Management and Administration | 60 credit hours                 |
| Daytona State College | INTUT003                    | Master Entrepreneurship Certification                                           | 3                                               |                                                             | 1552020102          | SBM2000 Small Business Management         | Business Administration            | Business Management and Administration | 60 credit hours                 |
| Daytona State College | INTUT004                    | Intuit Certified Bookkeeping Professional                                       | 3                                               |                                                             | 1552030201          | APA1111 Office Accounting I               | Accounting Technology              | Business Management and Administration | 60 credit hours                 |
| Daytona State College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification                      | 3                                               |                                                             | 1615030301          | none                                      | Electronics Engineering Technology | Manufacturing                          | 68 credit hours                 |
| Daytona State College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification                      | 3                                               |                                                             | 1615000001          | none                                      | Engineering Technology             | Manufacturing                          | 60 credit hours                 |
| Daytona State College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                          | 3                                               |                                                             | 1615030301          | none                                      | Electronics Engineering Technology | Manufacturing                          | 68 credit hours                 |
| Daytona State College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                          | 3                                               |                                                             | 1615000001          | none                                      | Engineering Technology             | Manufacturing                          | 60 credit hours                 |
| Daytona State College | ISOGR010                    | TOSA® JavaScript Certified User – Expert Level (Postsecondary)                  | 3                                               |                                                             | 1511020101          | none                                      | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Daytona State College | ISOGR011                    | TOSA® Python Certified User – Expert Level (Postsecondary)                      | 3                                               |                                                             | 1511020101          | none                                      | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Daytona State College | KNOWL001                    | Python Coding Specialist                                                        | 3                                               |                                                             | 1511020101          | none                                      | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Daytona State College | KNOWL005                    | C# Coding Specialist                                                            | 3                                               |                                                             | 1511020101          | COP2360 C# Programming                    | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Daytona State College | KNOWL006                    | C# Coding Apprentice                                                            | 3                                               |                                                             | 1511020101          | none                                      | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |

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|-----------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------------------|-------------------------------------|----------------------------------------|---------------------------------|
| Daytona State College | KNOWL007                    | .NET Coding Specialist                                                                                                                              | 3                                               |                                                             | 1511010307          | none                              | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Daytona State College | LINPI001                    | Linux Essentials 010                                                                                                                                | 3                                               |                                                             | 1511010307          | none                              | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Daytona State College | LINPI001                    | Linux Essentials 010                                                                                                                                | 3                                               |                                                             | 1511100112          | none                              | Network Systems Technology          | Information Technology                 | 60 credit hours                 |
| Daytona State College | MICRO017                    | Microsoft Office Specialist Master: Microsoft Office 2016 Master Specialist (Requires Word Expert, Excel Expert, PowerPoint, and Access or Outlook) | 3                                               |                                                             | 1552020401          | none                              | Office Administration               | Business Management and Administration | 60 credit hours                 |
| Daytona State College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                                                                                          | 6                                               |                                                             | 1615030301          | none                              | Electronics Engineering Technology  | Manufacturing                          | 68 credit hours                 |
| Daytona State College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                                                                                          | 15                                              |                                                             | 1615000001          | none                              | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Daytona State College | NAOLA002                    | Certified Paralegal/Certified Legal Assistant (CP/CLA)                                                                                              | 3                                               |                                                             | 1722030200          | PLA1003 Introduction to Law       | Paralegal Studies (Legal Assisting) | Law, Public Safety & Security          | 64 credit hours                 |
| Daytona State College | NCCER098                    | NCCER Manufactured Construction Technology - Level 1 (Secondary)                                                                                    | 3                                               |                                                             | 1615100102          | BCN1210 Materials and Processes   | Building Construction Technology    | Architecture & Construction            | 60 credit hours                 |
| Daytona State College | NCCER099                    | NCCER Manufactured Construction Technology - Level 2 (Secondary)                                                                                    | 3                                               |                                                             | 1615100102          | BCN1210 Materials and Processes   | Building Construction Technology    | Architecture & Construction            | 60 credit hours                 |
| Daytona State College | NCCER266                    | NCCER Industrial Maintenance Mechanic Level 4                                                                                                       | 3                                               |                                                             | 1615000001          | none                              | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Daytona State College | NCDLT001                    | Certified Dental Technician                                                                                                                         | 3                                               |                                                             | 1351060200          | none                              | Dental Hygiene                      | Health Science                         | 88 credit hours                 |
| Daytona State College | NCSBN002                    | National Licensed Practical Nurse (NCLEX-PN)                                                                                                        | 10                                              |                                                             | 1351380100          | NUR2990 Advanced Standing         | Nursing R.N.                        | Health Science                         | 60 credit hours                 |
| Daytona State College | NIFMS001                    | NIMS Machining - CNC Mill Programming Setup & Operations                                                                                            | 1                                               |                                                             | 1615000001          | none                              | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Daytona State College | NIFMS002                    | NIMS Machining - CNC Lathe Programming Setup & Operations                                                                                           | 1                                               |                                                             | 1615000001          | none                              | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Daytona State College | NIFMS012                    | NIMS Machining Level II - Grinding Skills II                                                                                                        | 2                                               |                                                             | 1615000001          | none                              | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Daytona State College | NRAEF003                    | Certified Food Protection Manager (ServSafe®)                                                                                                       | 3                                               |                                                             | 1612050401          | FOS1201 Sanitation and Safety     | Culinary Management                 | Hospitality & Tourism                  | 60 credit hours                 |
| Daytona State College | NREMT001                    | Emergency Medical Technician (EMT)                                                                                                                  | 9                                               |                                                             | 1351090402          | none                              | Emergency Medical Services          | Health Science                         | 73 credit hours                 |
| Daytona State College | NRFSP001                    | Certified Food Safety Manager                                                                                                                       | 2                                               |                                                             | 1612050401          | none                              | Culinary Management                 | Hospitality & Tourism                  | 60 credit hours                 |
| Daytona State College | OEDGP001                    | PCAP – Certified Associate in Python Programming                                                                                                    | 3                                               |                                                             | 1511020101          | none                              | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Daytona State College | ORACL001                    | Oracle Foundations Associate, Database                                                                                                              | 6                                               |                                                             | 1511080200          | none                              | Database Technology                 | Information Technology                 | 60 credit hours                 |
| Daytona State College | ORACL004                    | Oracle Foundations Associate, Java                                                                                                                  | 3                                               |                                                             | 1511010307          | COP2800 Computer Programming Java | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Daytona State College | ORACL004                    | Oracle Foundations Associate, Java                                                                                                                  | 3                                               |                                                             | 1511020101          | COP2800 Computer Programming Java | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Daytona State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist                                                                                             | 3                                               |                                                             | 1511010307          | none                              | Computer Information Technology     | Information Technology                 | 60 credit hours                 |

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| Daytona State College         | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist                      | 3                                               |                                                             | 1511020101          | CTS1851 Internet Web Foundations (HTML, CSS) | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Daytona State College         | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               |                                                             | 1511010307          | CGS2820 Web Programming                      | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Daytona State College         | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               |                                                             | 1511020101          | CGS2820 Web Programming                      | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Daytona State College         | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                | 3                                               |                                                             | 1511010307          | CTS1851 Internet Web Foundations (HTML, CSS) | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Daytona State College         | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                | 3                                               |                                                             | 1511020101          | CTS1851 Internet Web Foundations (HTML, CSS) | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Daytona State College         | PROSO032                    | Certified Internet Web (CIW) User Interface Designer                         | 3                                               |                                                             | 1511020101          | none                                         | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Daytona State College         | SCHRM001                    | SHRM-CP                                                                      | 3                                               |                                                             | 1552020102          | none                                         | Business Administration             | Business Management and Administration | 60 credit hours                 |
| Daytona State College         | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations              | 3                                               |                                                             | 1615000001          | none                                         | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Daytona State College         | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations              | 3                                               |                                                             | 1615030301          | none                                         | Electronics Engineering Technology  | Manufacturing                          | 68 credit hours                 |
| Daytona State College         | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations         | 3                                               |                                                             | 1615000001          | none                                         | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Daytona State College         | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations         | 3                                               |                                                             | 1615030301          | none                                         | Electronics Engineering Technology  | Manufacturing                          | 68 credit hours                 |
| Daytona State College         | SMACA011                    | C-104 Certified Industry 4.0 Associate IV - IIoT Networking & Data Analytics | 3                                               |                                                             | 1615000001          | none                                         | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Daytona State College         | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)                   | 3                                               |                                                             | 1615000001          | ETD2364C SolidWorks Modeling and Lab         | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Daytona State College         | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)                | 3                                               |                                                             | 1615000001          | ETD2364C SolidWorks Modeling and Lab         | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Daytona State College         | TAFLP001                    | Accredited Legal Professional (ALP)                                          | 3                                               |                                                             | 1552020401          | none                                         | Office Administration               | Business Management and Administration | 60 credit hours                 |
| Daytona State College         | TAFLP001                    | Accredited Legal Professional (ALP)                                          | 3                                               |                                                             | 1722030200          | PLA1003 Introduction to Law                  | Paralegal Studies (Legal Assisting) | Law, Public Safety & Security          | 64 credit hours                 |
| Daytona State College         | TAFLP002                    | Professional Legal Secretary (PLS)                                           | 9                                               |                                                             | 1552020401          | none                                         | Office Administration               | Business Management and Administration | 60 credit hours                 |
| Eastern Florida State College | ADESK002                    | Autodesk Certified User - AutoCAD                                            | 3                                               | 4                                                           | 1615130202          | ETDC 2320 - AutoCAD Fundamentals             | Computer-Aided Drafting and Design  | Architecture & Construction            | 60 credit hours                 |
| Eastern Florida State College | ADESK008                    | Autodesk Certified User - Revit                                              | 3                                               | 4                                                           | 1615130202          | TARC 1120 - Architectural Drafting           | Computer-Aided Drafting and Design  | Architecture & Construction            | 60 credit hours                 |
| Eastern Florida State College | ADESK021                    | Autodesk Certified Professional - AutoCAD for Design and Drafting            | 3                                               |                                                             | 1615130202          | ETDC 2355 - AudoCAD 3D                       | Computer-Aided Drafting and Design  | Architecture & Construction            | 60 credit hours                 |
| Eastern Florida State College | ADESK035                    | Autodesk Certified Associate in CAM for Turning                              | 3                                               |                                                             | 1615000001          | TBD - In Progress                            | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Eastern Florida State College | ADESK038                    | Autodesk Certified Professional in CAM for 3 Axis Milling                    | 3                                               |                                                             | 1615000001          | TBD - In Progress                            | Engineering Technology              | Manufacturing                          | 60 credit hours                 |

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| Eastern Florida State College | ADESK039                    | Autodesk Certified Professional in Design for Manufacturing                                    | 3                                               |                                                             | 1615000001          | TBD - In Progress                                       | Engineering Technology             | Manufacturing                          | 60 credit hours                 |
| Eastern Florida State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                       | 3                                               |                                                             | 1615130202          | TBD - In Progress                                       | Computer-Aided Drafting and Design | Architecture & Construction            | 60 credit hours                 |
| Eastern Florida State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                       | 3                                               |                                                             | 1615000001          | TBD - In Progress                                       | Engineering Technology             | Manufacturing                          | 60 credit hours                 |
| Eastern Florida State College | ADOBE024+ A191:H191         | Adobe Certified Professional in Visual Design (Requires Photoshop and Illustrator or InDesign) | 3                                               |                                                             | 1611080300          | GRAC 1100 - Principles of Graphic Design                | Graphics Technology                | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Eastern Florida State College | AIOPB001                    | Certified Bookkeeper                                                                           | 3                                               |                                                             | 1552030201          | ENT 2411 - Small Business Accounting and Finance        | Accounting Technology              | Business Management and Administration | 60 credit hours                 |
| Eastern Florida State College | AMEDT005                    | Registered Phlebotomy Technician (RPT)                                                         | 3                                               |                                                             | 1351100405          | MLT 1040 - Laboratory Specimens and Microscopy          | Medical Laboratory Technology      | Health Science                         | 76 credit hours                 |
| Eastern Florida State College | AMEDT006                    | Medical Laboratory Assistant (CMLA)                                                            | 4                                               |                                                             | 1351100405          | TBD - In Progress                                       | Medical Laboratory Technology      | Health Science                         | 76 credit hours                 |
| Eastern Florida State College | AMSPT002                    | Certified Phlebotomy Technician                                                                | 1                                               | 3                                                           | 1351100405          | MLT 1040 - Laboratory Specimens and Microscopy          | Medical Laboratory Technology      | Health Science                         | 76 credit hours                 |
| Eastern Florida State College | APPLE002                    | Apple Certified Technical Coordinator                                                          | 2                                               | 3                                                           | 1511100112          | CGS 1000 - Exploring Digital Technology                 | Network Systems Technology         | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | APPLE019                    | Apple Certified Support Professional                                                           | 2                                               | 3                                                           | 1511100112          | CGS 1000 - Exploring Digital Technology                 | Network Systems Technology         | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | APPLE021                    | Apple App Development with Swift Certified User                                                | 3                                               |                                                             | 1511020101          | COP 1000 - Principles of Programming                    | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | APPLE022                    | Apple App Development with Swift Associate                                                     | 3                                               |                                                             | 1511020101          | COP 1000 - Principles of Programming                    | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | CERTI003                    | Information Technology Specialist (ITS) - Databases                                            | 3                                               |                                                             | 1511010307          | CGS 2700 - Database Techniques                          | Computer Information Technology    | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | CERTI003                    | Information Technology Specialist (ITS) - Databases                                            | 3                                               |                                                             | 1511020101          | COP 2700 - Database Techniques                          | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management                  | 3                                               |                                                             | 1511010307          | CET 1176 - Computer Maintenance & Repair                | Computer Information Technology    | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                                           | 3                                               |                                                             | 1511010307          | COP 2800 - Introduction to Java Programming             | Computer Information Technology    | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                                           | 3                                               |                                                             | 1511020101          | COP 2800 - Introduction to Java Programming             | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | CERTI012                    | Information Technology Specialist (ITS) - Python                                               | 3                                               |                                                             | 1511020101          | COP 2047 - Python Programming                           | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | CERTI013                    | Information Technology Specialist (ITS) – Java                                                 | 3                                               |                                                             | 1511020101          | COP 2800 - Introduction to Java Programming             | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                                      | 3                                               |                                                             | 1511010307          | CTS 2370 - Virtual Infrastructure - Planning and Design | Computer Information Technology    | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                                      | 3                                               |                                                             | 1511100112          | CTS 2370 - Virtual Infrastructure - Planning and Design | Network Systems Technology         | Information Technology                 | 60 credit hours                 |

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| Eastern Florida State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                                         | 3                                               | 6                                                           | 1511010307          | CTSC 1651 - Cisco Router Technology; CTSC 2652 - Cisco Advanced Router Technology                                                                     | Computer Information Technology            | Information Technology                   | 60 credit hours                 |
| Eastern Florida State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                                         | 6                                               |                                                             | 1511100112          | CTSC 1651 - Cisco Router Technology; CTSC 2652 - Cisco Advanced Router Technology                                                                     | Network Systems Technology                 | Information Technology                   | 60 credit hours                 |
| Eastern Florida State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                                          | 3                                               |                                                             | 1511100112          | TBD - In Progress                                                                                                                                     | Network Systems Technology                 | Information Technology                   | 60 credit hours                 |
| Eastern Florida State College | CISCO029                    | Cisco Certified Support Technician (CCST) Networking                                             | 3                                               |                                                             | 1511010307          | TBD - In Progress                                                                                                                                     | Computer Information Technology            | Information Technology                   | 60 credit hours                 |
| Eastern Florida State College | COMPT005                    | CompTIA Linux+                                                                                   | 3                                               |                                                             | 1511020101          | CTS 1321 - Linux Networking/Sys Admin                                                                                                                 | Computer Programming and Analysis          | Information Technology                   | 60 credit hours                 |
| Eastern Florida State College | COMPT007                    | CompTIA Project+                                                                                 | 3                                               |                                                             | 1511100112          | CTS 1142 - Information Technology Project Management                                                                                                  | Network Systems Technology                 | Information Technology                   | 60 credit hours                 |
| Eastern Florida State College | COMPT009                    | CompTIA Server+                                                                                  | 3                                               |                                                             | 1511010307          | CTS 1383 - Microsoft Server O/S - Installation and Configuration                                                                                      | Computer Information Technology            | Information Technology                   | 60 credit hours                 |
| Eastern Florida State College | COMPT009                    | CompTIA Server+                                                                                  | 3                                               |                                                             | 1511100112          | CTS 1383 - Microsoft Server O/S - Installation and Configuration                                                                                      | Network Systems Technology                 | Information Technology                   | 60 credit hours                 |
| Eastern Florida State College | COMPT018                    | CompTIA Tech+                                                                                    | 3                                               |                                                             | 1511010307          | CGS 1000 - Exploring Digital Technology                                                                                                               | Computer Information Technology            | Information Technology                   | 60 credit hours                 |
| Eastern Florida State College | COMPT018                    | CompTIA Tech+                                                                                    | 3                                               |                                                             | 1511020101          | CGS 1000 - Exploring Digital Technology                                                                                                               | Computer Programming and Analysis          | Information Technology                   | 60 credit hours                 |
| Eastern Florida State College | COMPT018                    | CompTIA Tech+                                                                                    | 3                                               |                                                             | 1511100112          | CGS 1000 - Exploring Digital Technology                                                                                                               | Network Systems Technology                 | Information Technology                   | 60 credit hours                 |
| Eastern Florida State College | CPREC001                    | Child Development Associate (CDA)                                                                | 9                                               |                                                             | 1413121004          | EEC 1942 - Early Childhood Practicum<br>Early Childhood Education Curriculum for Infants & Toddlers EEC 1601 - Assessment in<br>EEC 2251 - Developing | Early Childhood Education                  | Education and Training                   | 60 credit hours                 |
| Eastern Florida State College | DANBD001                    | Certified Dental Assistant (CDA)                                                                 | 5                                               |                                                             | 1351060104          | DEAL 1855 - Clinical Practice 2 Laboratory                                                                                                            | Dental Assisting Technology and Management | Health Science                           | 70 credit hours                 |
| Eastern Florida State College | DANBD002                    | Certified Orthodontic Assistant                                                                  | 3                                               |                                                             | 1351060104          | TBD - In Progress                                                                                                                                     | Dental Assisting Technology and Management | Health Science                           | 70 credit hours                 |
| Eastern Florida State College | DANBD002                    | Certified Orthodontic Assistant                                                                  | 3                                               |                                                             | 1351060200          | TBD - In Progress                                                                                                                                     | Dental Hygiene                             | Health Science                           | 88 credit hours                 |
| Eastern Florida State College | ETAIN008                    | Associate Certified Electronics Technician (CETa)                                                | 3                                               |                                                             | 1615000001          | EET 1084 - Introduction to Electronics                                                                                                                | Engineering Technology                     | Manufacturing                            | 60 credit hours                 |
| Eastern Florida State College | FDMQA001                    | Basic X-Ray Machine Operator                                                                     | 3                                               |                                                             | 1351091100          | TBD - In Progress                                                                                                                                     | Radiography                                | Health Science                           | 77 credit hours                 |
| Eastern Florida State College | FDMQA030                    | 911 Public Safety Telecommunicator                                                               | 3                                               |                                                             | 1743010302          | HSC 2400 - First Aid & Safety for the Citizen Responder                                                                                               | Criminal Justice Technology                | Law, Public Safety & Security            | 60 credit hours                 |
| Eastern Florida State College | FEDAA004 and FEDAA010       | FAA Aviation Mechanic Technician - Airframe and FAA Aviation Maintenance Technician - Powerplant | 24                                              | 33                                                          | 1647060700          | AVM 2930 - Articulated Credit for Aircraft Airframe Mechanic and Aircraft Powerplant Mechanic                                                         | Aviation Maintenance Administration        | Transportation, Distribution & Logistics | 60 credit hours                 |
| Eastern Florida State College | FLDLE002                    | Correctional Officer                                                                             | 6                                               |                                                             | 1743010302          | TBD - In Progress                                                                                                                                     | Criminal Justice Technology                | Law, Public Safety & Security            | 60 credit hours                 |
| Eastern Florida State College | FLDLE003                    | Correctional Probation Officer                                                                   | 6                                               |                                                             | 1743010302          | TBD - In Progress                                                                                                                                     | Criminal Justice Technology                | Law, Public Safety & Security            | 60 credit hours                 |
| Eastern Florida State College | FLDLE004                    | Law Enforcement Officer                                                                          | 12                                              |                                                             | 1743010302          | TBD - In Progress                                                                                                                                     | Criminal Justice Technology                | Law, Public Safety & Security            | 60 credit hours                 |
| Eastern Florida State College | FLDOE004                    | Florida Teacher Certification Examinations (FTCE) - Professional Education Test                  | 3                                               |                                                             | 1413121004          | EDF 1005 - Introduction to the Teaching Profession                                                                                                    | Early Childhood Education                  | Education and Training                   | 60 credit hours                 |

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|-------------------------------|-----------------------------|------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------|---------------------------------|
| Eastern Florida State College | FLSFM006                    | Fire Fighter II                                                                    | 3                                               |                                                             | 1743020112          | TBD - In Progress                                                                                         | Fire Science Technology            | Law, Public Safety & Security            | 60 credit hours                 |
| Eastern Florida State College | FLSFM007                    | Fire Safety Inspector I                                                            | 12                                              |                                                             | 1743020112          | TBD - In Progress                                                                                         | Fire Science Technology            | Law, Public Safety & Security            | 60 credit hours                 |
| Eastern Florida State College | FLSFM013                    | Fire Officer I                                                                     | 12                                              |                                                             | 1743020112          | TBD - In Progress                                                                                         | Fire Science Technology            | Law, Public Safety & Security            | 60 credit hours                 |
| Eastern Florida State College | FLSFM014                    | Fire Officer II                                                                    | 15                                              |                                                             | 1743020112          | TBD - In Progress                                                                                         | Fire Science Technology            | Law, Public Safety & Security            | 60 credit hours                 |
| Eastern Florida State College | FLVMA002                    | Certified Veterinary Assistant (CVA)                                               | 3                                               |                                                             | 1301830100          | ATE 1001 - Introduction to Veterinary Technology (1 cr); ATE 1742 - Veterinary Medical Terminology (2 Cr) | Veterinary Technology              | Agriculture, Food, and Natural Resources | 73 credit hours                 |
| Eastern Florida State College | GRBCI002                    | LEED Green Associate                                                               | 3                                               | 4                                                           | 1615130202          | TARC 1120 - Architectural Drafting                                                                        | Computer-Aided Drafting and Design | Architecture & Construction              | 60 credit hours                 |
| Eastern Florida State College | ICOEC006                    | EC-Council Ethical Hacker Associate                                                | 3                                               |                                                             | 1511100112          | CET 2890 - Cybersecurity                                                                                  | Network Systems Technology         | Information Technology                   | 60 credit hours                 |
| Eastern Florida State College | INTUT001                    | Quickbooks Certified User                                                          | 3                                               |                                                             | 1552030201          | ACG 2450 - Computerized Accounting                                                                        | Accounting Technology              | Business Management and Administration   | 60 credit hours                 |
| Eastern Florida State College | INTUT001                    | Quickbooks Certified User                                                          | 3                                               |                                                             | 1552020102          | ACG 2450 - Computerized Accounting                                                                        | Business Administration            | Business Management and Administration   | 60 credit hours                 |
| Eastern Florida State College | INTUT001                    | Quickbooks Certified User                                                          | 3                                               |                                                             | 1552070308          | ACG 2450 - Computerized Accounting                                                                        | Business Entrepreneurship          | Business Management and Administration   | 60 credit hours                 |
| Eastern Florida State College | INTUT002                    | Entrepreneurship & Small Business                                                  | 3                                               |                                                             | 1552020102          | GEB 1011 - Introduction to Business                                                                       | Business Administration            | Business Management and Administration   | 60 credit hours                 |
| Eastern Florida State College | INTUT002                    | Entrepreneurship & Small Business                                                  | 3                                               |                                                             | 1552070308          | GEB 1011 - Introduction to Business                                                                       | Business Entrepreneurship          | Business Management and Administration   | 60 credit hours                 |
| Eastern Florida State College | INTUT003                    | Master Entrepreneurship Certification                                              | 3                                               |                                                             | 1552020102          | ENT 2000 - Introduction to Entrepreneurship                                                               | Business Administration            | Business Management and Administration   | 60 credit hours                 |
| Eastern Florida State College | INTUT003                    | Master Entrepreneurship Certification                                              | 3                                               |                                                             | 1552070308          | ENT 2000 - Introduction to Entrepreneurship                                                               | Business Entrepreneurship          | Business Management and Administration   | 60 credit hours                 |
| Eastern Florida State College | INTUT004                    | Intuit Certified Bookkeeping Professional                                          | 3                                               |                                                             | 1552030201          | ENT 2411 - Small Business Accounting and Finance                                                          | Accounting Technology              | Business Management and Administration   | 60 credit hours                 |
| Eastern Florida State College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification                         | 3                                               |                                                             | 1615000001          | TBD - In Progress                                                                                         | Engineering Technology             | Manufacturing                            | 60 credit hours                 |
| Eastern Florida State College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                             | 3                                               |                                                             | 1615000001          | TBD - In Progress                                                                                         | Engineering Technology             | Manufacturing                            | 60 credit hours                 |
| Eastern Florida State College | ISOGR007                    | TOSA® Autodesk AutoCAD Certified User - Expert (Postsecondary)                     | 3                                               |                                                             | 1615130202          | TBD - In Progress                                                                                         | Computer-Aided Drafting and Design | Architecture & Construction              | 60 credit hours                 |
| Eastern Florida State College | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                       | 3                                               |                                                             | 1611080300          | TBD - In Progress                                                                                         | Graphics Technology                | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Eastern Florida State College | ISOGR010                    | TOSA® JavaScript Certified User – Expert Level (Postsecondary)                     | 3                                               |                                                             | 1511020101          | TBD - In Progress                                                                                         | Computer Programming and Analysis  | Information Technology                   | 60 credit hours                 |
| Eastern Florida State College | ISOGR011                    | TOSA® Python Certified User – Expert Level (Postsecondary)                         | 3                                               |                                                             | 1511020101          | TBD - In Progress                                                                                         | Computer Programming and Analysis  | Information Technology                   | 60 credit hours                 |
| Eastern Florida State College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher) | 3                                               |                                                             | 1611080300          | TBD - In Progress                                                                                         | Graphics Technology                | Arts, A/V Technology & Communication     | 64 credit hours                 |

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|-------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|---------------------------------|
| Eastern Florida State College | KNOWL001                    | Python Coding Specialist                                                                                                                            | 3                                               |                                                             | 1511020101          | COP 2047 - Python Programming                                                                                                                                                                                     | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | KNOWL005                    | C# Coding Specialist                                                                                                                                | 3                                               |                                                             | 1511020101          | COP 2360 - C Sharp Programming                                                                                                                                                                                    | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | KNOWL006                    | C# Coding Apprentice                                                                                                                                | 3                                               |                                                             | 1511020101          | COP 2360 - C Sharp Programming                                                                                                                                                                                    | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | KNOWL007                    | .NET Coding Specialist                                                                                                                              | 3                                               |                                                             | 1511010307          | TBD - In Progress                                                                                                                                                                                                 | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | LINPI001                    | Linux Essentials 010                                                                                                                                | 3                                               |                                                             | 1511010307          | CTS 1321 - Linux Networking/Sys Admin                                                                                                                                                                             | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | LINPI001                    | Linux Essentials 010                                                                                                                                | 3                                               |                                                             | 1511100112          | CTS 1321 - Linux Networking/Sys Admin                                                                                                                                                                             | Network Systems Technology          | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | MICRO017                    | Microsoft Office Specialist Master: Microsoft Office 2016 Master Specialist (Requires Word Expert, Excel Expert, PowerPoint, and Access or Outlook) | 3                                               |                                                             | 1552020401          | CGS 2100 - Microcomputer Applications                                                                                                                                                                             | Office Administration               | Business Management and Administration | 60 credit hours                 |
| Eastern Florida State College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                                                                                          | 15                                              |                                                             | 1615000001          | EET 1084 - Introduction to Electronics; ETI 1420 - Manufacturing Processes and Materials; ETI 1701 - Industrial Safety; ETI 2110 - Introduction to Quality Assurance; ETIC 2001 - Applied Manufacturing Mechanics | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Eastern Florida State College | NAOLA002                    | Certified Paralegal/Certified Legal Assistant (CP/CLA)                                                                                              | 3                                               |                                                             | 1722030200          | TBD - In Progress                                                                                                                                                                                                 | Paralegal Studies (Legal Assisting) | Law, Public Safety & Security          | 64 credit hours                 |
| Eastern Florida State College | NATHA007                    | Certified Phlebotomy Technician (CPT)                                                                                                               | 1                                               | 3                                                           | 1351100405          | MLT 1040 - Laboratory Specimens and Microscopy                                                                                                                                                                    | Medical Laboratory Technology       | Health Science                         | 76 credit hours                 |
| Eastern Florida State College | NCATT003                    | Aerospace / Aircraft Assembly (AAA)                                                                                                                 | 9                                               | 11                                                          | 1615080100          | ETIC 2851 - Applied Mechanics; ETIC 1005 - Basic Electricity/ Electronics; ETIC 1830 - Materials and Processes 1                                                                                                  | Aerospace Technology                | Manufacturing                          | 64 credit hours                 |
| Eastern Florida State College | NCCER266                    | NCCER Industrial Maintenance Mechanic Level 4                                                                                                       | 3                                               |                                                             | 1615000001          | TBD - In Progress                                                                                                                                                                                                 | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Eastern Florida State College | NCDLT001                    | Certified Dental Technician                                                                                                                         | 3                                               |                                                             | 1351060200          | TBD - In Progress                                                                                                                                                                                                 | Dental Hygiene                      | Health Science                         | 88 credit hours                 |
| Eastern Florida State College | NCSBN002                    | National Licensed Practical Nurse (NCLEX-PN)                                                                                                        | 10                                              | 16                                                          | 1351380100          | NUR 1021 - Fundamentals of Nursing Concepts Clinical; NUR 1213 - Basic Medical-Surgical Nursing Clinical; NURC 1021 - Fundamentals of Nursing Concepts; NURC 1213 - Basic Medical-Surgical Nursing                | Nursing R.N.                        | Health Science                         | 60 credit hours                 |
| Eastern Florida State College | NIFMS001                    | NIMS Machining - CNC Mill Programming Setup & Operations                                                                                            | 1                                               | 3                                                           | 1615000001          | PMTC 2214 - Advanced Machining 2                                                                                                                                                                                  | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Eastern Florida State College | NIFMS002                    | NIMS Machining - CNC Lathe Programming Setup & Operations                                                                                           | 1                                               | 3                                                           | 1615000001          | PMTC 1203 - Introduction to Machining                                                                                                                                                                             | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Eastern Florida State College | NIFMS012                    | NIMS Machining Level II - Grinding Skills II                                                                                                        | 2                                               | 3                                                           | 1615000001          | PMTC 1203 - Introduction to Machining                                                                                                                                                                             | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Eastern Florida State College | NREMT001                    | Emergency Medical Technician (EMT)                                                                                                                  | 9                                               | 12                                                          | 1351090402          | EMS 1119 - Emergency Medical Technician<br>EMS 1431 - Emergency Medical Technician Clinical Experience<br>EMSL 1119 - EMT Laboratory                                                                              | Emergency Medical Services          | Health Science                         | 73 credit hours                 |
| Eastern Florida State College | OEDGP001                    | PCAP – Certified Associate in Python Programming                                                                                                    | 3                                               |                                                             | 1511020101          | COP 2047 - Python Programming                                                                                                                                                                                     | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | ORACL004                    | Oracle Foundations Associate, Java                                                                                                                  | 3                                               |                                                             | 1511010307          | COP 2800 - Introduction to Java Programming                                                                                                                                                                       | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | ORACL004                    | Oracle Foundations Associate, Java                                                                                                                  | 3                                               |                                                             | 1511020101          | COP 2800 - Introduction to Java Programming                                                                                                                                                                       | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |

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| Eastern Florida State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist                      | 3                                               |                                                             | 1511010307          | COP 2700 - Database Techniques                                                              | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist                      | 3                                               |                                                             | 1511020101          | COP 2700 - Database Techniques                                                              | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               |                                                             | 1511010307          | COP 2800 - Introduction to Java Programming                                                 | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               |                                                             | 1511020101          | COP 2800 - Introduction to Java Programming                                                 | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                | 3                                               |                                                             | 1511010307          | COP 2822 - Web Page Authoring                                                               | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                | 3                                               |                                                             | 1511020101          | COP 2822 - Web Page Authoring                                                               | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | PROSO032                    | Certified Internet Web (CIW) User Interface Designer                         | 3                                               |                                                             | 1511020101          | COP 2822 - Web Page Authoring                                                               | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Eastern Florida State College | SCHRM001                    | SHRM-CP                                                                      | 3                                               |                                                             | 1552020102          | TBD - In Progress                                                                           | Business Administration             | Business Management and Administration | 60 credit hours                 |
| Eastern Florida State College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations              | 3                                               |                                                             | 1615000001          | TBD - In Progress                                                                           | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Eastern Florida State College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations         | 3                                               |                                                             | 1615000001          | TBD - In Progress                                                                           | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Eastern Florida State College | SMACA011                    | C-104 Certified Industry 4.0 Associate IV - IIoT Networking & Data Analytics | 3                                               |                                                             | 1615000001          | TBD - In Progress                                                                           | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Eastern Florida State College | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)                   | 3                                               |                                                             | 1615000001          | ETDC 2364 - Solidworks Fundamentals                                                         | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Eastern Florida State College | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)                | 3                                               |                                                             | 1615000001          | ETDC 2364 - Solidworks Fundamentals                                                         | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Eastern Florida State College | TAFLP001                    | Accredited Legal Professional (ALP)                                          | 3                                               | 9                                                           | 1552020401          | OST 1435 - Legal Terminology; OST 1582 - Ethics at Work; OST 2335 - Business Communications | Office Administration               | Business Management and Administration | 60 credit hours                 |
| Eastern Florida State College | TAFLP001                    | Accredited Legal Professional (ALP)                                          | 3                                               |                                                             | 1722030200          | PLA 1003 - Introduction to Paralegal Field and Legal Systems                                | Paralegal Studies (Legal Assisting) | Law, Public Safety & Security          | 64 credit hours                 |
| Eastern Florida State College | TAFLP002                    | Professional Legal Secretary (PLS)                                           | 9                                               |                                                             | 1552020401          | OST 1435 - Legal Terminology; OST 1582 - Ethics at Work; OST 2335 - Business Communications | Office Administration               | Business Management and Administration | 60 credit hours                 |
| Florida Gateway College       | APPLE021                    | Apple App Development with Swift Certified User                              | 3                                               | 3                                                           | 1511020101          | CGS 1030 - ITS Concepts                                                                     | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Florida Gateway College       | APPLE022                    | Apple App Development with Swift Associate                                   | 3                                               | 3                                                           | 1511020101          | CGS 1030 - ITS Concepts                                                                     | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Florida Gateway College       | CERTI003                    | Information Technology Specialist (ITS) - Databases                          | 3                                               | 3                                                           | 1511010307          | CGS2541 - Database Management                                                               | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Florida Gateway College       | CERTI003                    | Information Technology Specialist (ITS) - Databases                          | 3                                               | 3                                                           | 1511020101          | CGS2541 - Database Management                                                               | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |

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| Florida Gateway College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management   | 3                                               | 3                                                           | 1511010307          | CET2179 - Computer Repair and maintenance                                                                                                                                                                                                                | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                            | 3                                               | 3                                                           | 1511010307          | COP2801 - JavaScript                                                                                                                                                                                                                                     | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                            | 3                                               | 3                                                           | 1511020101          | COP2801 - JavaScript                                                                                                                                                                                                                                     | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | CERTI012                    | Information Technology Specialist (ITS) - Python                                | 3                                               | 3                                                           | 1511020101          | COP2501 - Intermediate Programming                                                                                                                                                                                                                       | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | CERTI012                    | Information Technology Specialist (ITS) - Python                                | 3                                               | 3                                                           | 1511100308          | COP2501 - Intermediate Programming                                                                                                                                                                                                                       | Cybersecurity                     | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | CERTI013                    | Information Technology Specialist (ITS) – Java                                  | 3                                               | 3                                                           | 1511020101          | COP2800 - Java                                                                                                                                                                                                                                           | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                       | 3                                               | 3                                                           | 1511010307          | CTS2145 - Cloud Essentials                                                                                                                                                                                                                               | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                        | 3                                               | 3                                                           | 1511010307          | CET1600C- Cisco Network Fundamentals                                                                                                                                                                                                                     | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                         | 3                                               | 3                                                           | 1511100308          | CNT2401 - Intro to Network Security                                                                                                                                                                                                                      | Cybersecurity                     | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | CISCO029                    | Cisco Certified Support Technician (CCST) Networking                            | 3                                               | 3                                                           | 1511010307          | CNT2401 - Intro to Network Security                                                                                                                                                                                                                      | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | COMPT005                    | CompTIA Linux+                                                                  | 3                                               | 3                                                           | 1511020101          | CTS2321-Linux Admin I                                                                                                                                                                                                                                    | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | COMPT008                    | CompTIA Security+                                                               | 3                                               | 3                                                           | 1511100308          | CTS 1134 - Introduction to Networking                                                                                                                                                                                                                    | Cybersecurity                     | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | COMPT009                    | CompTIA Server+                                                                 | 3                                               | 3                                                           | 1511010307          | CTS 1134 Introduction to Networking (Pending the completion of CTS 1131 & CTS 1132 or the equivalent industry certification)                                                                                                                             | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | COMPT018                    | CompTIA Tech+                                                                   | 3                                               | 3                                                           | 1511010307          | CGS 1030 - ITS Concepts                                                                                                                                                                                                                                  | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | COMPT018                    | CompTIA Tech+                                                                   | 3                                               | 3                                                           | 1511020101          | CGS 1030 - ITS Concepts                                                                                                                                                                                                                                  | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | FLDLE002                    | Correctional Officer                                                            | 6                                               | 15                                                          | 1743010302          | CJL 2101 - Criminal Law; CJC 1000 - Introduction to Corrections; CCJ 1020 - Introduction to Criminal Justice; CJJ 2002 - Introduction to Juvenile Justice System; CTS 2162 - Probation, Pardons and Parole                                               | Criminal Justice Technology       | Law, Public Safety & Security            | 60 credit hours                 |
| Florida Gateway College | FLDLE003                    | Correctional Probation Officer                                                  | 6                                               | 6                                                           | 1743010302          | CJC2162-Probation, Pardons and Parole; CJC1000 Intro to Corrections                                                                                                                                                                                      | Criminal Justice Technology       | Law, Public Safety & Security            | 60 credit hours                 |
| Florida Gateway College | FLDLE004                    | Law Enforcement Officer                                                         | 12                                              | 18                                                          | 1743010302          | CJL 2101 - Criminal Law; CCJ 1020 - Introduction to Criminal Justice; CJJ 2002 - Introduction to Juvenile Justice System; CJE Crime Scene Investigations & Crime Lab Tech.; CJL 2600 Fundamentals of Criminal Investigation; CJL 2062 Constitutional Law | Criminal Justice Technology       | Law, Public Safety & Security            | 60 credit hours                 |
| Florida Gateway College | FLDOE004                    | Florida Teacher Certification Examinations (FTCE) - Professional Education Test | 3                                               | 3                                                           | 1413121004          | EEC1001- Intro to Early Childhood Education                                                                                                                                                                                                              | Early Childhood Education         | Education and Training                   | 60 credit hours                 |
| Florida Gateway College | FLFBR001                    | Agritechnology Specialist Certification                                         | 3                                               | 3                                                           | 1101010100          | SWS1102-Soil Science                                                                                                                                                                                                                                     | Agribusiness Management           | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Florida Gateway College | FLFBR005                    | Animal Science Specialist Certification                                         | 3                                               | 3                                                           | 1101010100          | ZOO2010C-Zoology                                                                                                                                                                                                                                         | Agribusiness Management           | Agriculture, Food, and Natural Resources | 60 credit hours                 |

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|-------------------------|-----------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------|------------------------------------|
| Florida Gateway College | FLSFM006                          | Fire Fighter II                                                                       | 3                                                           | 9                                                                       | 1743020112             | FFP 1000 - Introduction to Firefighting                                                                                                                                                                          | Fire Science<br>Technology                 | Law, Public Safety &<br>Security             | 60 credit hours                    |
| Florida Gateway College | FLSFM007                          | Fire Safety Inspector I                                                               | 12                                                          | 12                                                                      | 1743020112             | FFP1510-Codes and Standards, FFP2111 Fire Chemistry, FFP2521-<br>Construction Documents and Plan Review, FFP2541- Private Fire<br>Protections Systems II                                                         | Fire Science<br>Technology                 | Law, Public Safety &<br>Security             | 60 credit hours                    |
| Florida Gateway College | FLSFM013                          | Fire Officer I                                                                        | 12                                                          | 12                                                                      | 1743020112             | FFP 2120-Building Construction for the Fire Service; FFP<br>2720-Company Officer; FFP 1740-Fire Service Course Delivery; FFP<br>2810- Firefighting Tactics and Strategy I                                        | Fire Science<br>Technology                 | Law, Public Safety &<br>Security             | 60 credit hours                    |
| Florida Gateway College | FLSFM014                          | Fire Officer II                                                                       | 15                                                          | 15                                                                      | 1743020112             | FFP1505-Fire Prevention Practices, FFP1540-Private Fire Protection<br>Systems I, FFP1740 -- Fire Service Course Delivery, FFP2741- Fire<br>Service Course Design, FFP2811-Firefighting Tactics and Strategies II | Fire Science<br>Technology                 | Law, Public Safety &<br>Security             | 60 credit hours                    |
| Florida Gateway College | GLIAC008                          | GIAC Penetration Tester (GPEN)                                                        | 3                                                           | 3                                                                       | 1511100308             | CTS1170-Foundations of Information Security                                                                                                                                                                      | Cybersecurity                              | Information<br>Technology                    | 60 credit hours                    |
| Florida Gateway College | GLIAC009                          | GIAC Certified Incident Handler (GCIH)                                                | 3                                                           | 3                                                                       | 1511100308             | CGS2811- Incident Response and Disaster Recovery                                                                                                                                                                 | Cybersecurity                              | Information<br>Technology                    | 60 credit hours                    |
| Florida Gateway College | ICOEC005                          | EC-Council Cyber Forensics Associate                                                  | 3                                                           | 3                                                                       | 1511100308             | CTS 1170 Foundations of Information Security                                                                                                                                                                     | Cybersecurity                              | Information<br>Technology                    | 60 credit hours                    |
| Florida Gateway College | ICOEC006                          | EC-Council Ethical Hacker Associate                                                   | 3                                                           | 3                                                                       | 1511100308             | CIS2352 - Ethical Hacking                                                                                                                                                                                        | Cybersecurity                              | Information<br>Technology                    | 60 credit hours                    |
| Florida Gateway College | ICOEC010                          | EC-Council Digital Forensics Essentials (DFE)                                         | 3                                                           | 3                                                                       | 1511100308             | CTS 1170 Foundations of Information Security                                                                                                                                                                     | Cybersecurity                              | Information<br>Technology                    | 60 credit hours                    |
| Florida Gateway College | ICOEC011                          | EC-Council Ethical Hacking Essentials (EHE)                                           | 3                                                           | 3                                                                       | 1511100308             | CIS2352 - Ethical Hacking                                                                                                                                                                                        | Cybersecurity                              | Information<br>Technology                    | 60 credit hours                    |
| Florida Gateway College | INTUT001                          | Quickbooks Certified User                                                             | 3                                                           | 3                                                                       | 1552020102             | ACG2453 - Accounting Software                                                                                                                                                                                    | Business<br>Administration                 | Business<br>Management and<br>Administration | 60 credit hours                    |
| Florida Gateway College | INTUT002                          | Entrepreneurship & Small Business                                                     | 3                                                           | 3                                                                       | 1552020102             | SBM2000 - Small Business Management                                                                                                                                                                              | Business<br>Administration                 | Business<br>Management and<br>Administration | 60 credit hours                    |
| Florida Gateway College | INTUT003                          | Master Entrepreneurship Certification                                                 | 3                                                           | 3                                                                       | 1552020102             | SBM2000 - Small Business Management                                                                                                                                                                              | Business<br>Administration                 | Business<br>Management and<br>Administration | 60 credit hours                    |
| Florida Gateway College | ISOGR008                          | TOSA® Graphics Certified User – Expert Level<br>(Postsecondary)                       | 3                                                           | 3                                                                       | 1611080103             | DIG2000 - Introduction to Digital Media                                                                                                                                                                          | Digital Media/<br>Multimedia<br>Technology | Arts, A/V Technology<br>& Communication      | 60 credit hours                    |
| Florida Gateway College | ISOGR010                          | TOSA® JavaScript Certified User – Expert<br>Level (Postsecondary)                     | 3                                                           | 3                                                                       | 1511020101             | COP2801 - JavaScript                                                                                                                                                                                             | Computer<br>Programming and<br>Analysis    | Information<br>Technology                    | 60 credit hours                    |
| Florida Gateway College | ISOGR011                          | TOSA® Python Certified User – Expert Level<br>(Postsecondary)                         | 3                                                           | 3                                                                       | 1511020101             | COP2501- Intermediate Programming                                                                                                                                                                                | Computer<br>Programming and<br>Analysis    | Information<br>Technology                    | 60 credit hours                    |
| Florida Gateway College | ISOGR012                          | TOSA® Graphics Certified User for Adobe -<br>Visual Design (Advanced Level or Higher) | 3                                                           | 3                                                                       | 1611080103             | GRA1103C - Graphic Design Basics                                                                                                                                                                                 | Digital Media/<br>Multimedia<br>Technology | Arts, A/V Technology<br>& Communication      | 60 credit hours                    |
| Florida Gateway College | KNOWL001                          | Python Coding Specialist                                                              | 3                                                           | 3                                                                       | 1511020101             | COP 2000 - Introduction to Programming                                                                                                                                                                           | Computer<br>Programming and<br>Analysis    | Information<br>Technology                    | 60 credit hours                    |
| Florida Gateway College | KNOWL005                          | C# Coding Specialist                                                                  | 3                                                           | 3                                                                       | 1511020101             | COP 2000 - Introduction to Programming                                                                                                                                                                           | Computer<br>Programming and<br>Analysis    | Information<br>Technology                    | 60 credit hours                    |
| Florida Gateway College | KNOWL006                          | C# Coding Apprentice                                                                  | 3                                                           | 3                                                                       | 1511020101             | COP 2000 - Introduction to Programming                                                                                                                                                                           | Computer<br>Programming and<br>Analysis    | Information<br>Technology                    | 60 credit hours                    |
| Florida Gateway College | KNOWL007                          | .NET Coding Specialist                                                                | 3                                                           | 3                                                                       | 1511010307             | CTS1131 - Computer Essentials and Support                                                                                                                                                                        | Computer<br>Information<br>Technology      | Information<br>Technology                    | 60 credit hours                    |

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|-------------------------|-----------------------------|------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|---------------------------------|
| Florida Gateway College | LINPI001                    | Linux Essentials 010                                                         | 3                                               | 3                                                           | 1511010307          | CTS2321-Linux Admin I                                                                                | Computer Information Technology          | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | LINPI001                    | Linux Essentials 010                                                         | 3                                               | 3                                                           | 1511100308          | CTS2321-Linux Admin I                                                                                | Cybersecurity                            | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | NIASE005                    | ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2) | 3                                               | 3                                                           | 0615080300          | AER2298C- Automatic Transmissions/ Transaxles                                                        | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Florida Gateway College | NIASE007                    | ASE Automobile/Light Truck Technician: Brakes (A5)                           | 3                                               | 3                                                           | 0615080300          | AER1596C - Brake Systems,ABS and Traction Control Systems                                            | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Florida Gateway College | NIASE008                    | ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)    | 3                                               | 3                                                           | 0615080300          | AER1602C - Electrical/Electronic Systems I                                                           | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Florida Gateway College | NIASE009                    | ASE Automobile/Light Truck Technician: Engine Performance (A8)               | 3                                               | 3                                                           | 0615080300          | AER2840 - Engine Control Systems/ Diagnosis II                                                       | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Florida Gateway College | NIASE010                    | ASE Automobile/Light Truck Technician: Engine Repair (A1)                    | 3                                               | 3                                                           | 0615080300          | AER1179C - Engine Diagnosis & Repair                                                                 | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Florida Gateway College | NIASE011                    | ASE Automobile/Light Truck Technician: Heating and Air Conditioning (A7)     | 3                                               | 3                                                           | 0615080300          | AER1758C - HVAC Systems                                                                              | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Florida Gateway College | NIASE012                    | ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3)     | 3                                               | 3                                                           | 0615080300          | AER2398C - Manual Transmission/Drive Trains                                                          | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Florida Gateway College | NIASE014                    | ASE Automobile/Light Truck Technician: Suspension and Steering (A4)          | 3                                               | 3                                                           | 0615080300          | AER1496L - Steering and Suspension Systems                                                           | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Florida Gateway College | NIASE076                    | ASE Auto Maintenance and Light Repair (G1)                                   | 3                                               | 3                                                           | 0615080300          | AER1082 - Intro toVehicle Systems and Services                                                       | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Florida Gateway College | NREMT001                    | Emergency Medical Technician (EMT)                                           | 9                                               | 12                                                          | 1351090402          | EMS1119 - Emergency Medical Technician, EMS1119L - EMT Lab, EMS1431C - EMT Hospital Field Experience | Emergency Medical Services               | Health Science                           | 73 credit hours                 |
| Florida Gateway College | OEDGP001                    | PCAP – Certified Associate in Python Programming                             | 3                                               | 3                                                           | 1511020101          | COP2501 - Intermediate Programming                                                                   | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | ORACL004                    | Oracle Foundations Associate, Java                                           | 3                                               | 3                                                           | 1511010307          | COP2800 - Java                                                                                       | Computer Information Technology          | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | ORACL004                    | Oracle Foundations Associate, Java                                           | 3                                               | 3                                                           | 1511020101          | COP2800 - Java                                                                                       | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist                      | 3                                               | 3                                                           | 1511010307          | CTS2445 - SQL Programming                                                                            | Computer Information Technology          | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist                      | 3                                               | 3                                                           | 1511020101          | CTS2445 - SQL Programming                                                                            | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               | 3                                                           | 1511010307          | COP2801 - JavaScript                                                                                 | Computer Information Technology          | Information Technology                   | 60 credit hours                 |
| Florida Gateway College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               | 3                                                           | 1511020101          | COP2801 - JavaScript                                                                                 | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |

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| Florida Gateway College               | PROSO027                          | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist | 3                                                           | 3                                                                       | 1511010307             | COP2830 - Basic Webpage Programming                | Computer Information Technology                | Information Technology                 | 60 credit hours                    |                 |
| Florida Gateway College               | PROSO027                          | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist | 3                                                           | 3                                                                       | 1511020101             | COP2830 - Basic Webpage Programming                | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                    |                 |
| Florida Gateway College               | PROSO032                          | Certified Internet Web (CIW) User Interface Designer          | 3                                                           | 3                                                                       | 1511020101             | COP2830-Basic Web Page Programming                 | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                    |                 |
| Florida Gateway College               | PROSO033                          | Certified Internet Web (CIW) Multimedia Specialist            | 3                                                           | 3                                                                       | 1611080103             | DIG2000C - Intro to Digital Media                  | Digital Media/<br>Multimedia Technology        | Arts, A/V Technology & Communication   | 60 credit hours                    |                 |
| Florida Gateway College               | SCHRM001                          | SHRM-CP                                                       | 3                                                           | 3                                                                       | 1552020102             | MAN2300 - Intro to Human Resources Management      | Business Administration                        | Business Management and Administration | 60 credit hours                    |                 |
| Florida State College of Jacksonville | ACFED002                          | Certified Culinarian (CC)                                     | 3                                                           |                                                                         | 1612050401             | FOS 1201 - Sanitation and Safety Management        | Culinary Management                            | Hospitality & Tourism                  | 60 credit hours                    |                 |
| Florida State College of Jacksonville | ADESK002                          | Autodesk Certified User - AutoCAD                             | 3                                                           |                                                                         | 1604090100             | CGS 2470 - Computer Aided Drafting and Design      | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                    |                 |
| Florida State College of Jacksonville | ADESK008                          | Autodesk Certified User - Revit                               | 3                                                           |                                                                         | 1604090100             | BCN 1251 - Construction Drawing                    | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                    |                 |
| Florida State College of Jacksonville | ADESK008                          | Autodesk Certified User - Revit                               | 3                                                           |                                                                         | 1615100102             | ETD 2395 - CAD Architectural                       | Building Construction Technology               | Architecture & Construction            | 60 credit hours                    |                 |
| Florida State College of Jacksonville | ADESK011                          | Autodesk Certified User - Inventor                            | 3                                                           |                                                                         | 1615000001             | ETD 2536 - CAD Mechanical OR CGS 2470 - CAD Design | Engineering Technology                         | Manufacturing                          | 60 credit hours                    |                 |
| Florida State College of Jacksonville | ADESK024                          | Autodesk Certified Professional - Inventor                    | 3                                                           |                                                                         | 1615000001             | ETD 2350 - Advanced CAD                            | Engineering Technology                         | Manufacturing                          | 60 credit hours                    |                 |
| Florida State College of Jacksonville | ADESK025                          | Autodesk Certified Professional - Revit Architecture          | 3                                                           |                                                                         | 1604090100             | ETD 2395 CAD Architectural                         | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                    |                 |
| Florida State College of Jacksonville | ADESK032                          | Autodesk Certified User - Fusion 360                          | 3                                                           |                                                                         | 1615000001             | ETD 2350 - Advanced CAD                            | Engineering Technology                         | Manufacturing                          | 60 credit hours                    |                 |
| Florida State College of Jacksonville | ADESK033                          | Autodesk Certified Associate in CAD for Mechanical Design     | 3                                                           |                                                                         | 1615000001             | ETD 2536 - CAD Mechanical OR CGS 2470 - CAD Design | Engineering Technology                         | Manufacturing                          | 60 credit hours                    |                 |
| Florida State College of Jacksonville | AIOPB001                          | Certified Bookkeeper                                          | 3                                                           |                                                                         | 1552030201             | ACG 2021 - Financial Accounting                    | Accounting Technology                          | Business Management and Administration | 60 credit hours                    |                 |
| Florida State College of Jacksonville | AMDDA002                          | Certified Apprentice Drafter - Architectural                  | 3                                                           |                                                                         | 1604090100             | ETD 1100 Engineering Drawing                       | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                    |                 |
| Florida State College of Jacksonville | AMEDT005                          | Registered Phlebotomy Technician (RPT)                        | 3                                                           |                                                                         | 1351100405             | MLT 1022C - Introduction to Health Technology      | Medical Laboratory Technology                  | Health Science                         | 76 credit hours                    |                 |
| Florida State College of Jacksonville | AMSPT002                          | Certified Phlebotomy Technician                               | 1                                                           | 3                                                                       | 1351100405             | MLT 1022C - Introduction to Health Technology      | Medical Laboratory Technology                  | Health Science                         | 76 credit hours                    |                 |
| Florida State College of Jacksonville | CARCH002                          | Chief Architect Certified Apprentice                          | 3                                                           |                                                                         | 1604090100             | ETD 1100 - Engineering Drawing                     | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                    |                 |
| Florida State College of Jacksonville | CERHB001                          | Biotechnician Assistant                                       | 3                                                           | 4                                                                       | 1341010100             | BSC 1421C - Introduction to Biotech Methods        | Biotechnology Laboratory Technology            | Health Science                         | 61 credit hours                    |                 |
| Florida State College of Jacksonville | CISCO026                          | Cisco Certified Network Associate (CCNA)                      | 3                                                           | 9                                                                       | 1511010307             | CET 2600C - CISCO 1<br>CNT 2102C - CISCO 3         | CTS 2655C - CISCO 2                            | Computer Information Technology        | Information Technology             | 60 credit hours |

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| Florida State College of Jacksonville | CISCO026                          | Cisco Certified Network Associate (CCNA)                                                         | 3                                                           | 9                                                                       | 1511100307             | CET 2600C - CISCO 1<br>CNT 2102C - CISCO 3                                                                                                                                                                                                                                                                                                                          | CTS 2655C - CISCO 2                                                                         | IT Security                         | Information Technology                   | 60 credit hours |
| Florida State College of Jacksonville | CISCO026                          | Cisco Certified Network Associate (CCNA)                                                         | 6                                                           | 9                                                                       | 1511100112             | CET 2600C - CISCO 1<br>CNT 2102C - CISCO 3                                                                                                                                                                                                                                                                                                                          | CTS 2655C - CISCO 2                                                                         | Network Systems Technology          | Information Technology                   | 60 credit hours |
| Florida State College of Jacksonville | COMPT008                          | CompTIA Security+                                                                                | 3                                                           |                                                                         | 1511100307             | CTS 1120C - Fundamentals of Information Security                                                                                                                                                                                                                                                                                                                    |                                                                                             | IT Security                         | Information Technology                   | 60 credit hours |
| Florida State College of Jacksonville | COMPT018                          | CompTIA Tech+                                                                                    | 3                                                           |                                                                         | 1511010307             | CTS 1131C - Hardware Configuration                                                                                                                                                                                                                                                                                                                                  |                                                                                             | Computer Information Technology     | Information Technology                   | 60 credit hours |
| Florida State College of Jacksonville | COMPT018                          | CompTIA Tech+                                                                                    | 3                                                           |                                                                         | 1511100112             | CTS 1131C - Hardware Configuration                                                                                                                                                                                                                                                                                                                                  |                                                                                             | Network Systems Technology          | Information Technology                   | 60 credit hours |
| Florida State College of Jacksonville | CPREC001                          | Child Development Associate (CDA)                                                                | 9                                                           |                                                                         | 1419070802             | EEC 1001 - Introduction to Early Childhood<br>EDG 2940 - Observing and Recording Child Behavior                                                                                                                                                                                                                                                                     |                                                                                             | Early Childhood Management          | Education and Training                   | 60 credit hours |
| Florida State College of Jacksonville | ETAIN008                          | Associate Certified Electronics Technician (CETa)                                                | 3                                                           |                                                                         | 1615000001             | EET 1084 - Survey of Electronics                                                                                                                                                                                                                                                                                                                                    |                                                                                             | Engineering Technology              | Manufacturing                            | 60 credit hours |
| Florida State College of Jacksonville | FDMQA030                          | 911 Public Safety Telecommunicator                                                               | 3                                                           |                                                                         | 1743010302             |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                             | Criminal Justice Technology         | Law, Public Safety & Security            | 60 credit hours |
| Florida State College of Jacksonville | FEDAA004                          | FAA Aviation Mechanic Technician - Airframe                                                      | 36                                                          |                                                                         | 1649010401             | AMT 1751C - Aviation Maintenance Technology General I<br>AMT 1752C - Aviation Maintenance Technology General II<br>AMT 1761C - Aviation Maintenance Technology Airframe I<br>AMT 1762C - Aviation Maintenance Technology Airframe II<br>AMT 1763C - Aviation Maintenance Technology Airframe III<br>AMT 1764C - Aviation Maintenance Technology Airframe IV         |                                                                                             | Aviation Maintenance Management     | Transportation, Distribution & Logistics | 83 credit hours |
| Florida State College of Jacksonville | FEDAA004 and FEDAA010             | FAA Aviation Mechanic Technician - Airframe and FAA Aviation Maintenance Technician - Powerplant | 24                                                          |                                                                         | 1647060700             | AVM 2930 - FAA Mechanic Certification with Airframe and Powerplant Ratings                                                                                                                                                                                                                                                                                          |                                                                                             | Aviation Maintenance Administration | Transportation, Distribution & Logistics | 60 credit hours |
| Florida State College of Jacksonville | FEDAA010                          | FAA Aviation Maintenance Technician - Powerplant                                                 | 24                                                          | 36                                                                      | 1649010401             | AMT 1751C - Aviation Maintenance Technology General I<br>AMT 1752C - Aviation Maintenance Technology General II<br>AMT 1771C - Aviation Maintenance Technology Powerplant I<br>AMT 1772C - Aviation Maintenance Technology Powerplant II<br>AMT 1773C - Aviation Maintenance Technology Powerplant III<br>AMT 1774C - Aviation Maintenance Technology Powerplant IV |                                                                                             | Aviation Maintenance Management     | Transportation, Distribution & Logistics | 83 credit hours |
| Florida State College of Jacksonville | FEDAA011                          | FAA Private Pilot                                                                                | 3                                                           | 6                                                                       | 1649010200             | ATT 1100 - Private Pilot Theory Applications                                                                                                                                                                                                                                                                                                                        | ATT 1101 - Private Pilot                                                                    | Professional Pilot Technology       | Transportation, Distribution & Logistics | 64 credit hours |
| Florida State College of Jacksonville | FEDAA022                          | FAA Aircraft Dispatcher Certification (14 CFR Part 65)                                           | 3                                                           | 15                                                                      | 1649010403             | ASC 1210 - Aviation Weather<br>Pilot Theory<br>Management and Scheduling Theory                                                                                                                                                                                                                                                                                     | ATT 1100 - Private<br>Operations<br>AVM 2132C - Flight Dispath<br>AVM 2134C Flight Dispatch | Aviation Administration             | Transportation, Distribution & Logistics | 60 credit hours |
| Florida State College of Jacksonville | FLDLE002                          | Correctional Officer                                                                             | 6                                                           | 12                                                                      | 1743010302             | CJC 2000 - Corrections<br>Crime and Society<br>CCJ 1020 - Introduction to Criminal Justice<br>CCJ 2930 - Special Topics in Criminal Justice                                                                                                                                                                                                                         |                                                                                             | Criminal Justice Technology         | Law, Public Safety & Security            | 60 credit hours |
| Florida State College of Jacksonville | FLSFM006                          | Fire Fighter II                                                                                  | 3                                                           |                                                                         | 1743020112             | FFP 1702 - Principles of Emergency Services                                                                                                                                                                                                                                                                                                                         |                                                                                             | Fire Science Technology             | Law, Public Safety & Security            | 60 credit hours |
| Florida State College of Jacksonville | FLSFM007                          | Fire Safety Inspector I                                                                          | 12                                                          | 9                                                                       | 1743020112             | FFP 2505 - Fire Prevention Practices<br>Protection Systems I<br>Service Building Construction                                                                                                                                                                                                                                                                       | FFP 2540 - Privates Fire<br>FFP 2120 Fire                                                   | Fire Science Technology             | Law, Public Safety & Security            | 60 credit hours |
| Florida State College of Jacksonville | FLSFM013                          | Fire Officer I                                                                                   | 12                                                          | 18                                                                      | 1743020112             | FFP 2810 - Fire Fighting Tactics and Strategy I<br>FFP 2730 - Fire Department Administration<br>2120 - Building Construction<br>Delivery<br>FFP 2505 - Fire Prevention Practices<br>Fire Protection Systems I                                                                                                                                                       |                                                                                             | FFP<br>Fire Science Technology      | Law, Public Safety & Security            | 60 credit hours |

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| Florida State College of Jacksonville | FLSFM014                    | Fire Officer II                                                                                                                                     | 15                                              | 18                                                          | 1743020112          | FFP 2505 - Fire Prevention Practices<br>Service Building Construction<br>Behavior and Combustion<br>Department Administration<br>Issues in the Fire Service | FFP 2540 - Privates Fire<br>FFP 2120 Fire<br>FFP 2610 - Fire<br>FFP 2730 - Fire<br>FFP 2670 - Legal | Fire Science Technology                        | Law, Public Safety & Security            | 60 credit hours                          |                 |
| Florida State College of Jacksonville | GRBCI002                    | LEED Green Associate                                                                                                                                | 2                                               |                                                             | 1615100102          | BCN 1014 Sustainability in Construction                                                                                                                     |                                                                                                     | Building Construction Technology               | Architecture & Construction              | 60 credit hours                          |                 |
| Florida State College of Jacksonville | ICOEC006                    | EC-Council Ethical Hacker Associate                                                                                                                 | 3                                               | 4                                                           | 1511100307          | CET 2662 Techniques of Computer Hacking and Incident Handling                                                                                               |                                                                                                     | IT Security                                    | Information Technology                   | 60 credit hours                          |                 |
| Florida State College of Jacksonville | ICOEC006                    | EC-Council Ethical Hacker Associate                                                                                                                 | 3                                               | 4                                                           | 1511100112          | CET 2662 Techniques of Computer Hacking and Incident Handling                                                                                               |                                                                                                     | Network Systems Technology                     | Information Technology                   | 60 credit hours                          |                 |
| Florida State College of Jacksonville | INTUT001                    | Quickbooks Certified User                                                                                                                           | 3                                               |                                                             | 1552030201          | ACG 2450 - Computerized General Ledger Accounting                                                                                                           |                                                                                                     | Accounting Technology                          | Business Management and Administration   | 60 credit hours                          |                 |
| Florida State College of Jacksonville | INTUT001                    | Quickbooks Certified User                                                                                                                           | 3                                               |                                                             | 1552020102          | ACG 2021 - Financial Accounting                                                                                                                             |                                                                                                     | Business Administration                        | Business Management and Administration   | 60 credit hours                          |                 |
| Florida State College of Jacksonville | INTUT002                    | Entrepreneurship & Small Business                                                                                                                   | 3                                               |                                                             | 1552020102          | GEB 1011 - Introduction to Business                                                                                                                         |                                                                                                     | Business Administration                        | Business Management and Administration   | 60 credit hours                          |                 |
| Florida State College of Jacksonville | INTUT003                    | Master Entrepreneurship Certification                                                                                                               | 3                                               |                                                             | 1552020102          | GEB 1100 - Introduction to Business                                                                                                                         |                                                                                                     | Business Administration                        | Business Management and Administration   | 60 credit hours                          |                 |
| Florida State College of Jacksonville | MICRO017                    | Microsoft Office Specialist Master: Microsoft Office 2016 Master Specialist (Requires Word Expert, Excel Expert, PowerPoint, and Access or Outlook) | 3                                               |                                                             | 1552020401          | CGS 1100 - Microcomputer Applications for Business and Economics                                                                                            |                                                                                                     | Office Administration                          | Business Management and Administration   | 60 credit hours                          |                 |
| Florida State College of Jacksonville | MSSCN001                    | MSSC Certified Production Technician (CPT)                                                                                                          | 15                                              |                                                             | 1615000001          | ETS 1351 - Manufacturing Processes<br>Integrated Manufacturing<br>PMT 1203 - Introduction to Machining                                                      | ETS 1632 - Computer<br>BCN 2732 - OSHA<br>TBD                                                       | Engineering Technology                         | Manufacturing                            | 60 credit hours                          |                 |
| Florida State College of Jacksonville | NATHA007                    | Certified Phlebotomy Technician (CPT)                                                                                                               | 1                                               |                                                             | 1351100405          | MLT 1022C - Introduction to Health Technology                                                                                                               |                                                                                                     | Medical Laboratory Technology                  | Health Science                           | 76 credit hours                          |                 |
| Florida State College of Jacksonville | NCCER008                    | NCCER Construction Technology (Secondary)                                                                                                           | 3                                               |                                                             | 1604090100          | BCN 1210C Construction Materials                                                                                                                            |                                                                                                     | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                          |                 |
| Florida State College of Jacksonville | NCCER098                    | NCCER Manufactured Construction Technology - Level 1 (Secondary)                                                                                    | 3                                               |                                                             | 1615100102          | BCN 1251 - Construction Drawing                                                                                                                             |                                                                                                     | Building Construction Technology               | Architecture & Construction              | 60 credit hours                          |                 |
| Florida State College of Jacksonville | NCCER099                    | NCCER Manufactured Construction Technology - Level 2 (Secondary)                                                                                    | 3                                               |                                                             | 1615100102          | BCN 1251 - Construction Drawing                                                                                                                             |                                                                                                     | Building Construction Technology               | Architecture & Construction              | 60 credit hours                          |                 |
| Florida State College of Jacksonville | NCSBN002                    | National Licensed Practical Nurse (NCLEX-PN)                                                                                                        | 10                                              |                                                             | 1351380100          | NUR 3333                                                                                                                                                    |                                                                                                     | Nursing R.N.                                   | Health Science                           | 60 credit hours                          |                 |
| Florida State College of Jacksonville | NIASE005                    | ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2)                                                                        | 3                                               | 8                                                           | 0615080300          | AER 1081C - Introduction to Automotive Technology<br>AER 1291 - Automatic Transmissions and Transaxles                                                      |                                                                                                     | Automotive Service Management Technology       | Transportation, Distribution & Logistics | 68 credit hours                          |                 |
| Florida State College of Jacksonville | NIASE007                    | ASE Automobile/Light Truck Technician: Brakes (A5)                                                                                                  | 3                                               | 8                                                           | 0615080300          | AER 1081C - Introduction to Automotive Technology<br>AER 1598 - Brake Systems                                                                               |                                                                                                     | Automotive Service Management Technology       | Transportation, Distribution & Logistics | 68 credit hours                          |                 |
| Florida State College of Jacksonville | NIASE008                    | ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)                                                                           | 3                                               | 12                                                          | 0615080300          | AER 1081C - Introduction to Automotive Technology<br>AER 1694C - Electrical Systems I<br>II                                                                 |                                                                                                     | AER 2695C - Electrical Systems                 | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours |
| Florida State College of Jacksonville | NIASE009                    | ASE Automobile/Light Truck Technician: Engine Performance (A8)                                                                                      | 3                                               | 12                                                          | 0615080300          | AER 1081C - Introduction to Automotive Technology<br>AER 2896 Engine Performance I<br>II                                                                    |                                                                                                     | AER 2899 Engine Performance                    | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours |

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|---------------------------------------|-----------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------|
| Florida State College of Jacksonville | NIASE010                          | ASE Automobile/Light Truck Technician: Engine Repair (A1)                | 3                                                           | 8                                                                       | 0615080300             | AER 1081C - Introduction to Automotive Technology<br>AER 1198 Engines                                                                                  | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                    |
| Florida State College of Jacksonville | NIASE011                          | ASE Automobile/Light Truck Technician: Heating and Air Conditioning (A7) | 3                                                           | 8                                                                       | 0615080300             | AER 1081C - Introduction to Automotive Technology<br>AER 1798C - Air Conditioning and Heating                                                          | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                    |
| Florida State College of Jacksonville | NIASE012                          | ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3) | 3                                                           | 8                                                                       | 0615080300             | AER 1081C - Introduction to Automotive Technology<br>AER 1398 - Manual Transmission and Transaxles                                                     | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                    |
| Florida State College of Jacksonville | NIASE014                          | ASE Automobile/Light Truck Technician: Suspension and Steering (A4)      | 3                                                           | 8                                                                       | 0615080300             | AER 1081C - Introduction to Automotive Technology<br>AER 1498 - Steering and Suspension                                                                | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                    |
| Florida State College of Jacksonville | NIASE076                          | ASE Auto Maintenance and Light Repair (G1)                               | 3                                                           | 4                                                                       | 0615080300             | AER 1081C - Introduction to Automotive Technology                                                                                                      | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                    |
| Florida State College of Jacksonville | NIFMS001                          | NIMS Machining - CNC Mill Programming Setup & Operations                 | 1                                                           | 3                                                                       | 1615000001             | PMT 2250 - CNC Programming I                                                                                                                           | Engineering Technology                   | Manufacturing                            | 60 credit hours                    |
| Florida State College of Jacksonville | NIFMS002                          | NIMS Machining - CNC Lathe Programming Setup & Operations                | 1                                                           | 3                                                                       | 1615000001             | PMT 2250 - CNC Programming I                                                                                                                           | Engineering Technology                   | Manufacturing                            | 60 credit hours                    |
| Florida State College of Jacksonville | NIFMS012                          | NIMS Machining Level II - Grinding Skills II                             | 2                                                           | 3                                                                       | 1615000001             | PMT 1203 - Introduction to Machining                                                                                                                   | Engineering Technology                   | Manufacturing                            | 60 credit hours                    |
| Florida State College of Jacksonville | NRAEF003                          | Certified Food Protection Manager (ServSafe®)                            | 3                                                           |                                                                         | 1612050401             | FOS 1201 - Sanitation and Safety Management                                                                                                            | Culinary Management                      | Hospitality & Tourism                    | 60 credit hours                    |
| Florida State College of Jacksonville | NREMT001                          | Emergency Medical Technician (EMT)                                       | 9                                                           | 12                                                                      | 1351090402             | EMS 1119 - EMT Lecture/Didactic    EMS 1119L - EMT Skills Lab<br>EMS 1421C EMT Clinical Experience (ED & Field)                                        | Emergency Medical Services               | Health Science                           | 73 credit hours                    |
| Florida State College of Jacksonville | NRFSP001                          | Certified Food Safety Manager                                            | 2                                                           |                                                                         | 1612050401             | FOS 1201 - Sanitation and Safety Management                                                                                                            | Culinary Management                      | Hospitality & Tourism                    | 60 credit hours                    |
| Florida State College of Jacksonville | PROSO006                          | Certified Internet Web (CIW) Database Design Specialist                  | 3                                                           |                                                                         | 1511010307             | CIS 2930 Special Topics                                                                                                                                | Computer Information Technology          | Information Technology                   | 60 credit hours                    |
| Florida State College of Jacksonville | PROSO017                          | Certified Internet Web (CIW) JavaScript Specialist                       | 3                                                           |                                                                         | 1511010307             | CIS 2930 Special Topics                                                                                                                                | Computer Information Technology          | Information Technology                   | 60 credit hours                    |
| Florida State College of Jacksonville | PROSO027                          | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist            | 3                                                           |                                                                         | 1511010307             | CIS 2930 Special Topics                                                                                                                                | Computer Information Technology          | Information Technology                   | 60 credit hours                    |
| Florida State College of Jacksonville | SOLID003                          | Certified Solidworks Associate - Academic (CSWA- Academic)               | 3                                                           |                                                                         | 1615000001             | ETD 2350 - Advanced CAD                                                                                                                                | Engineering Technology                   | Manufacturing                            | 60 credit hours                    |
| Florida State College of Jacksonville | SOLID004                          | Certified Solidworks Professional - Academic (CSWP- Academic)            | 3                                                           |                                                                         | 1615000001             | ETD 2350 - Advanced CAD                                                                                                                                | Engineering Technology                   | Manufacturing                            | 60 credit hours                    |
| Florida State College of Jacksonville | TAFLP001                          | Accredited Legal Professional (ALP)                                      | 3                                                           | 6                                                                       | 1552020401             | OST 1384 - Introduction to Customer Service<br>OST 2335 - Applied Business Communications                                                              | Office Administration                    | Business Management and Administration   | 60 credit hours                    |
| Florida State College of Jacksonville | TAFLP002                          | Professional Legal Secretary (PLS)                                       | 9                                                           |                                                                         | 1552020401             | OST 1384 - Introduction to Customer Service<br>OST 1581 Professional Development in the Work Environment<br>OST 2335 - Applied Business Communications | Office Administration                    | Business Management and Administration   | 60 credit hours                    |
| Florida State College of Jacksonville | USINS001                          | Small UAS (sUAS) Safety Certification: Level 1                           | 1                                                           | 3                                                                       | 1649010200             | ASC 2560 - Unmanned Aerial Systems                                                                                                                     | Professional Pilot Technology            | Transportation, Distribution & Logistics | 64 credit hours                    |
| Indian River State College            | ACFAT001                          | Accredited Business Accountant (ABA)                                     | 3                                                           | 3                                                                       | 1552030201             | ACG2001 - Financial Accounting I                                                                                                                       | Accounting Technology                    | Business Management and Administration   | 60 credit hours                    |
| Indian River State College            | ACFED002                          | Certified Culinarian (CC)                                                | 3                                                           | 3                                                                       | 1612050401             | FOS 2201- Food Service Sanitation Management                                                                                                           | Culinary Management                      | Hospitality & Tourism                    | 60 credit hours                    |
| Indian River State College            | ACFED002                          | Certified Culinarian (CC)                                                | 6                                                           | 6                                                                       | 1252090501             | FOS2201- Food Service Sanitation Management; FSS 2251- Food and Beverage Management                                                                    | Restaurant Management                    | Hospitality & Tourism                    | 60 credit hours                    |

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|----------------------------|-----------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------|---------------------------------|
| Indian River State College | ACFED006                    | Certified Fundamentals Cook                                                                    | 3                                               | 3                                                           | 1252090101          | FOS 2201- Food Service Sanitation Management                                                                                            | Hospitality & Tourism Management               | Hospitality & Tourism                  | 60 credit hours                 |
| Indian River State College | ADESK008                    | Autodesk Certified User - Revit                                                                | 3                                               | 3                                                           | 1604090100          | ETD 2551- Computer Aided Drafting-Civil                                                                                                 | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                 |
| Indian River State College | ADESK008                    | Autodesk Certified User - Revit                                                                | 3                                               | 3                                                           | 1615100102          | BCN 1272- Plans Interpretation- Residential                                                                                             | Building Construction Technology               | Architecture & Construction            | 60 credit hours                 |
| Indian River State College | ADESK036                    | Autodesk Certified Expert in CAM for Multi-Axis Milling                                        | 3                                               | 3                                                           | 1615030301          | ETS 2630- Manufacturing Processes                                                                                                       | Electronics Engineering Technology             | Manufacturing                          | 68 credit hours                 |
| Indian River State College | ADESK037                    | Autodesk Certified Expert in Generative Design for Manufacturing                               | 3                                               | 3                                                           | 1615030301          | ETS 2630- Manufacturing Processes                                                                                                       | Electronics Engineering Technology             | Manufacturing                          | 68 credit hours                 |
| Indian River State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                       | 3                                               | 3                                                           | 1615030301          | ETS 2630- Manufacturing Processes                                                                                                       | Electronics Engineering Technology             | Manufacturing                          | 68 credit hours                 |
| Indian River State College | ADOBE024                    | Adobe Certified Professional in Visual Design (Requires Photoshop and Illustrator or InDesign) | 3                                               | 3                                                           | 1611080300          | DIG 1115- Digital Imaging 1                                                                                                             | Graphics Technology                            | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Indian River State College | AIOPB001                    | Certified Bookkeeper                                                                           | 3                                               |                                                             | 1552030201          | ACG 2001 - Financial Accounting I                                                                                                       | Accounting Technology                          | Business Management and Administration | 60 credit hours                 |
| Indian River State College | AMAMA001                    | Certified Medical Assistant (CMA)                                                              | 3                                               | 3                                                           | 1351070101          | HSC1632 - Overview of healthcare delivery                                                                                               | Health Services Management                     | Health Science                         | 60 credit hours                 |
| Indian River State College | AMEDT004                    | Registered Medical Assistant (RMA)                                                             | 3                                               | 3                                                           | 1351070101          | HSC1632 - Overview of healthcare delivery                                                                                               | Health Services Management                     | Health Science                         | 60 credit hours                 |
| Indian River State College | AMEDT005                    | Registered Phlebotomy Technician (RPT)                                                         | 3                                               | 3                                                           | 1351100405          | MLT1040C - Intro. To Medical Technology                                                                                                 | Medical Laboratory Technology                  | Health Science                         | 76 credit hours                 |
| Indian River State College | AMEDT006                    | Medical Laboratory Assistant (CMLA)                                                            | 4                                               | 4                                                           | 1351100405          | MLT1040C - Intro. To Medical Technology (3 Credits); MLT 1362L - Hematology Lab (1 Credit)                                              | Medical Laboratory Technology                  | Health Science                         | 76 credit hours                 |
| Indian River State College | AMSPT002                    | Certified Phlebotomy Technician                                                                | 1                                               | 1                                                           | 1351100405          | MLT 1362L - Hematology Lab                                                                                                              | Medical Laboratory Technology                  | Health Science                         | 76 credit hours                 |
| Indian River State College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management                  | 3                                               | 3                                                           | 1511010307          | CTS1104 - Windows Operating Systems Fundamentals                                                                                        | Computer Information Technology                | Information Technology                 | 60 credit hours                 |
| Indian River State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                                           | 3                                               | 3                                                           | 1511010307          | COP2830 - Web Programming                                                                                                               | Computer Information Technology                | Information Technology                 | 60 credit hours                 |
| Indian River State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                                       | 3                                               | 3                                                           | 1511010307          | CTS1650 - CCNA1: Introduction to Networks                                                                                               | Computer Information Technology                | Information Technology                 | 60 credit hours                 |
| Indian River State College | CISCO029                    | Cisco Certified Support Technician (CCST) Networking                                           | 3                                               | 3                                                           | 1511010307          | CTS1650 - CCNA1: Introduction to Networks                                                                                               | Computer Information Technology                | Information Technology                 | 60 credit hours                 |
| Indian River State College | COMPT009                    | CompTIA Server+                                                                                | 3                                               | 3                                                           | 1511010307          | CET1178- A+ Certification Hardware                                                                                                      | Computer Information Technology                | Information Technology                 | 60 credit hours                 |
| Indian River State College | COMPT018                    | CompTIA Tech+                                                                                  | 3                                               | 3                                                           | 1511010307          | CIS1000 - Introduction to Information Technology                                                                                        | Computer Information Technology                | Information Technology                 | 60 credit hours                 |
| Indian River State College | CPREC001                    | Child Development Associate (CDA)                                                              | 9                                               | 9                                                           | 1413121004          | EEC 1946 - Practicum in CDA Assessment; EEC 1947 - Practicum in Teaching Strategies; EEC 2948 - Practicum in Early Childhood Curriculum | Early Childhood Education                      | Education and Training                 | 60 credit hours                 |
| Indian River State College | ETAIN008                    | Associate Certified Electronics Technician (CETa)                                              | 3                                               | 3                                                           | 1615030301          | EET1215C- Introduction to Electronics                                                                                                   | Electronics Engineering Technology             | Manufacturing                          | 68 credit hours                 |

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|----------------------------|-----------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------|------------------------------------|
| Indian River State College | ETAIN012                          | Photonics Technician-Operator (PTO)                                                | 3                                                           | 3                                                                       | 1615030301             | ETS 2210- Introduction to Photonics                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Electronics<br>Engineering<br>Technology                                | Manufacturing                               | 68 credit hours                    |
| Indian River State College | ETAIN013                          | Photonics Technician Specialist (PTS)                                              | 3                                                           | 3                                                                       | 1615030301             | ETS 2210- Introduction to Photonics                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Electronics<br>Engineering<br>Technology                                | Manufacturing                               | 68 credit hours                    |
| Indian River State College | ETAIN014                          | Photovoltaic Installer (PVI) - Level 1                                             | 3                                                           | 3                                                                       | 1615030301             | ETP 2410- Solar Photovoltaic Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Electronics<br>Engineering<br>Technology                                | Manufacturing                               | 68 credit hours                    |
| Indian River State College | ETAIN022                          | Specialist in Precision Optics (SPO)                                               | 3                                                           | 3                                                                       | 1615030301             | ETS2230- Laser Technologies                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Electronics<br>Engineering<br>Technology                                | Manufacturing                               | 68 credit hours                    |
| Indian River State College | ETAIN023                          | Technician in Precision Optics (TPO)                                               | 3                                                           | 3                                                                       | 1615030301             | ETS2230- Laser Technologies                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Electronics<br>Engineering<br>Technology                                | Manufacturing                               | 68 credit hours                    |
| Indian River State College | FDMQA001                          | Basic X-Ray Machine Operator                                                       | 3                                                           | 3                                                                       | 1351091100             | RTE 1000 - Intro. To Radiologic Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                              | Radiography                                                             | Health Science                              | 77 credit hours                    |
| Indian River State College | FDMQA030                          | 911 Public Safety Telecommunicator                                                 | 3                                                           | 3                                                                       | 1743010302             | DSC3215 Emergency Planning & Security                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Criminal Justice<br>Technology                                          | Law, Public Safety &<br>Security            | 60 credit hours                    |
| Indian River State College | FLDLE002                          | Correctional Officer                                                               | 6                                                           | 6                                                                       | 1743010302             | CJC2000 Intro to Corrections: CJC2162 Parole & Probation;<br>Contemporary Issues in Criminal Justice;                                                                                                                                                                                                                                                                                                                                                                                 | Criminal Justice<br>Technology                                          | Law, Public Safety &<br>Security            | 60 credit hours                    |
| Indian River State College | FLDLE003                          | Correctional Probation Officer                                                     | 6                                                           | 6                                                                       | 1743010302             | CJC2000 Intro to Corrections: CJC2162 Parole & Probation;<br>Contemporary Issues in Criminal Justice                                                                                                                                                                                                                                                                                                                                                                                  | Criminal Justice<br>Technology                                          | Law, Public Safety &<br>Security            | 60 credit hours                    |
| Indian River State College | FLDLE004                          | Law Enforcement Officer                                                            | 12                                                          | 15                                                                      | 1743010302             | CJL2100 Criminal Law or CJL1000 Fumdamentals of Law; DSC1003<br>Intro to Homeland Security or CJE1002 Police Procedures; CCJ2022<br>Contemporary Issues in Criminal Justice; CJE2600 Criminal<br>Investigation; CJL2062 Constitutional Law or CJL2100 Fudamentals<br>of Law or CJL2500 Intro to Courts; CJC2162 Parole and Probation;<br>CCJ2022 Contemporary Issues in Criminal Justice;CJE1000 Intro to<br>LE; CJL2130 Rules of Evidence; DSC3215 Emergency Planning &<br>Security; | Criminal Justice<br>Technology                                          | Law, Public Safety &<br>Security            | 60 credit hours                    |
| Indian River State College | FLDOE004                          | Florida Teacher Certification Examinations<br>(FTCE) - Professional Education Test | 3                                                           | 3                                                                       | 1413121004             | EDF2005 Introduction to the Teaching Profession                                                                                                                                                                                                                                                                                                                                                                                                                                       | Early Childhood<br>Education                                            | Education and<br>Training                   | 60 credit hours                    |
| Indian River State College | FLSFM006                          | Fire Fighter II                                                                    | 3                                                           | 3                                                                       | 1743020112             | FFP1140 - Private Fire Brigade                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Fire Science<br>Technology                                              | Law, Public Safety &<br>Security            | 60 credit hours                    |
| Indian River State College | FLSFM007                          | Fire Safety Inspector I                                                            | 12                                                          | 12                                                                      | 1743020112             | FFP1505 Fire Prevention Practices; FFP1120 Building Construction;<br>FFP1121 Plans Examination & Blueprint reading; FFP2510 Building<br>Codes & Standards                                                                                                                                                                                                                                                                                                                             | Fire Science<br>Technology                                              | Law, Public Safety &<br>Security            | 60 credit hours                    |
| Indian River State College | FLSFM013                          | Fire Officer I                                                                     | 12                                                          | 12                                                                      | 1743020112             | FFP2510 Building and Fire Codes I; FFP2720 Company Officer<br>Leadership; FFP2740 Fire Officer Course Delivery; FFP2810<br>Firefighting Tactics & Stratagies I                                                                                                                                                                                                                                                                                                                        | Fire Science<br>Technology                                              | Law, Public Safety &<br>Security            | 60 credit hours                    |
| Indian River State College | FLSFM014                          | Fire Officer II                                                                    | 15                                                          | 15                                                                      | 1743020112             | FFP2741 Fire Service Course Design; FFP1505 Fire Prevention                                                                                                                                                                                                                                                                                                                                                                                                                           | Fire Science<br>Technology                                              | Law, Public Safety &<br>Security            | 60 credit hours                    |
| Indian River State College | FNGLA001                          | Certified Horticulture Professional                                                | 6                                                           | 6                                                                       | 1101060502             | ORH 2601 - Retail Nursery Operations; HOS 1010 - Fundamentals of<br>Horticulture                                                                                                                                                                                                                                                                                                                                                                                                      | Landscape &<br>Horticulture<br>Technology                               | Agriculture, Food, and<br>Natural Resources | 60 credit hours                    |
| Indian River State College | FNGLA003                          | FNGLA Certified Landscape Maintenance<br>Technician                                | 3                                                           | 3                                                                       | 1101060502             | ORH1510 - Plant Identification                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Landscape &<br>Horticulture<br>Technology                               | Agriculture, Food, and<br>Natural Resources | 60 credit hours                    |
| Indian River State College | FNGLA004                          | FNGLA Certified Landscape Technician                                               | 3                                                           | 3                                                                       | 1101060502             | ORH1842 - Landscape Installation and Maintenance                                                                                                                                                                                                                                                                                                                                                                                                                                      | Landscape &<br>Horticulture<br>Technology                               | Agriculture, Food, and<br>Natural Resources | 60 credit hours                    |
| Indian River State College | GRBCI002                          | LEED Green Associate                                                               | 2                                                           | 3                                                                       | 1615100102             | ETM 1111- Energy in Building Design                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Building Construction<br>Technology                                     | Architecture &<br>Construction              | 60 credit hours                    |
| Indian River State College | HVACE001                          | HVAC Excellence Employment Ready - Heat<br>Pump                                    | 4                                                           | 4                                                                       | 0615050100             | ACR 1946- Refrigeration and A/C Cooperative Work Experience I                                                                                                                                                                                                                                                                                                                                                                                                                         | Air Conditioning,<br>Refrigeration and<br>Heating Systems<br>Technology | Architecture &<br>Construction              | 64 credit hours                    |

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|----------------------------|-----------------------------|------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|--------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------|---------------------------------|
| Indian River State College | HVACE002                    | HVAC Excellence EmploymentReady - Air Conditioning                                 | 4                                               | 4                                                           | 0615050100          | ACR 1946- Refrigeration and A/C Cooperative Work Experience I      | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction            | 64 credit hours                 |
| Indian River State College | HVACE011                    | HVAC Excellence Employment Ready - Electrical                                      | 4                                               | 4                                                           | 0615050100          | ACR 1946- Refrigeration and A/C Cooperative Work Experience I      | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction            | 64 credit hours                 |
| Indian River State College | INTUT001                    | Quickbooks Certified User                                                          | 3                                               | 3                                                           | 1552030201          | APA2144 - Intuit QuickBooks                                        | Accounting Technology                                          | Business Management and Administration | 60 credit hours                 |
| Indian River State College | INTUT001                    | Quickbooks Certified User                                                          | 3                                               | 3                                                           | 1552020102          | APA1111 - Introduction to Accounting                               | Business Administration                                        | Business Management and Administration | 60 credit hours                 |
| Indian River State College | INTUT002                    | Entrepreneurship & Small Business                                                  | 3                                               | 3                                                           | 1552020102          | SBM1000 - Entrepreneurship                                         | Business Administration                                        | Business Management and Administration | 60 credit hours                 |
| Indian River State College | INTUT003                    | Master Entrepreneurship Certification                                              | 3                                               | 3                                                           | 1552020102          | SBM1000 - Entrepreneurship                                         | Business Administration                                        | Business Management and Administration | 60 credit hours                 |
| Indian River State College | INTUT004                    | Intuit Certified Bookkeeping Professional                                          | 3                                               | 3                                                           | 1552030201          | ACG2001 - Financial Accounting I                                   | Accounting Technology                                          | Business Management and Administration | 60 credit hours                 |
| Indian River State College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification                         | 3                                               | 3                                                           | 1615030301          | EET 1215C- Introduction to Electronics                             | Electronics Engineering Technology                             | Manufacturing                          | 68 credit hours                 |
| Indian River State College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                             | 3                                               | 3                                                           | 1615030301          | EET 2141C- Electronic Devices I                                    | Electronics Engineering Technology                             | Manufacturing                          | 68 credit hours                 |
| Indian River State College | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                       | 3                                               | 3                                                           | 1611080103          | GRA1151- Vector Design 1                                           | Digital Media/ Multimedia Technology                           | Arts, A/V Technology & Communication   | 60 credit hours                 |
| Indian River State College | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                       | 3                                               | 3                                                           | 1611080300          | GRA1151- Vector Design 1                                           | Graphics Technology                                            | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Indian River State College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher) | 3                                               | 3                                                           | 1611080103          | DIG 1115- Digital Imaging 1                                        | Digital Media/ Multimedia Technology                           | Arts, A/V Technology & Communication   | 60 credit hours                 |
| Indian River State College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher) | 3                                               | 3                                                           | 1611080300          | DIG 1115- Digital Imaging 1                                        | Graphics Technology                                            | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Indian River State College | KNOWL007                    | .NET Coding Specialist                                                             | 3                                               | 3                                                           | 1511010307          | CTS2423 - .NET Application Development                             | Computer Information Technology                                | Information Technology                 | 60 credit hours                 |
| Indian River State College | LINPI001                    | Linux Essentials 010                                                               | 3                                               | 3                                                           | 1511010307          | CTS2106 - Linux Fundamentals                                       | Computer Information Technology                                | Information Technology                 | 60 credit hours                 |
| Indian River State College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                         | 6                                               | 6                                                           | 1615030301          | ETS2630- Manufacturing Processes; ETS2550- SCADA Systems           | Electronics Engineering Technology                             | Manufacturing                          | 68 credit hours                 |
| Indian River State College | NAOLA002                    | Certified Paralegal/Certified Legal Assistant (CP/CLA)                             | 3                                               | 6                                                           | 1722030200          | PLA2003, Introduction to Paralegal Studies; PLA2058, Survey of Law | Paralegal Studies (Legal Assisting)                            | Law, Public Safety & Security          | 64 credit hours                 |
| Indian River State College | NATEX001                    | Air Conditioning Service Technician                                                | 3                                               | 3                                                           | 0615050100          | ACR 1008- Principles of A/C and Refrigeration                      | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction            | 64 credit hours                 |

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| Indian River State College | NATEX002                    | Air Conditioning Installation Specialization                                 | 4                                               | 4                                                           | 0615050100          | ACR 1946- Refrigeration and A/C Cooperative Workd Experience I                                               | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |
| Indian River State College | NATEX003                    | Air to Air Heat Pump Installation Technician                                 | 4                                               | 4                                                           | 0615050100          | CR 1946- Refrigeration and A/C Cooperative Workd Experience I                                                | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |
| Indian River State College | NATHA007                    | Certified Phlebotomy Technician (CPT)                                        | 1                                               | 1                                                           | 1351100405          | MLT 1362L - Hematology Lab                                                                                   | Medical Laboratory Technology                                  | Health Science                           | 76 credit hours                 |
| Indian River State College | NATHA009                    | Certified Clinical Medical Assistant (CCMA)                                  | 3                                               | 3                                                           | 1351070101          | HSC1632 - Overview of healthcare delivery                                                                    | Health Services Management                                     | Health Science                           | 60 credit hours                 |
| Indian River State College | NCCER018                    | NCCER HVAC - Level 1 (Secondary)                                             | 3                                               | 3                                                           | 0615050100          | ACR 1008- Principles of A/C and Refrigeration                                                                | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |
| Indian River State College | NCCER098                    | NCCER Manufactured Construction Technology - Level 1 (Secondary)             | 3                                               | 3                                                           | 1615100102          | BCN 1214- Materials and Methods of Construction - Basic Structure                                            | Building Construction Technology                               | Architecture & Construction              | 60 credit hours                 |
| Indian River State College | NCCER099                    | NCCER Manufactured Construction Technology - Level 2 (Secondary)             | 3                                               | 3                                                           | 1615100102          | BCT 1562- Plumbing and Electrical Systems                                                                    | Building Construction Technology                               | Architecture & Construction              | 60 credit hours                 |
| Indian River State College | NCCER101                    | NCCER HVACR Level 1                                                          | 3                                               | 3                                                           | 0615050100          | ACR 1008- Principles of A/C and Refrigeration                                                                | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |
| Indian River State College | NCCER222                    | NCCER HVAC - Level 4 (Postsecondary)                                         | 3                                               | 3                                                           | 0615050100          | ACR 2067- Heating and Cooling Load Calculations                                                              | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |
| Indian River State College | NCDLT001                    | Certified Dental Technician                                                  | 3                                               | 3                                                           | 1351060200          | DEH 1800 - Clinical DH 1 (2 Credits); DEH 1800L - Clinical DH Lab (1 Credit)                                 | Dental Hygiene                                                 | Health Science                           | 88 credit hours                 |
| Indian River State College | NCFCT008                    | National Certified Patient Care Technician (NCPCT)                           | 3                                               | 3                                                           | 1351070101          | HSC1632 - Overview of healthcare delivery                                                                    | Health Services Management                                     | Health Science                           | 60 credit hours                 |
| Indian River State College | NCSBN002                    | National Licensed Practical Nurse (NCLEX-PN)                                 | 10                                              | 10                                                          | 1351380100          | NUR 1021C - Intro to Nursing Concepts 1                                                                      | Nursing R.N.                                                   | Health Science                           | 72 credit hours                 |
| Indian River State College | NIASE005                    | ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2) | 3                                               | 4                                                           | 0615080300          | AER 2298C- Automatic Transmissions and Transaxles                                                            | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Indian River State College | NIASE007                    | ASE Automobile/Light Truck Technician: Brakes (A5)                           | 3                                               | 3                                                           | 0615080300          | AER 1598C- Automotive Brake System                                                                           | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Indian River State College | NIASE008                    | ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)    | 3                                               | 7                                                           | 0615080300          | AER 1694C- Introduction to Automotive Electrical Systems ; AER 2695C- Advanced Automotive Electrical Systems | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Indian River State College | NIASE009                    | ASE Automobile/Light Truck Technician: Engine Performance (A8)               | 3                                               | 4                                                           | 0615080300          | AER 2898C- Engine Performance                                                                                | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Indian River State College | NIASE010                    | ASE Automobile/Light Truck Technician: Engine Repair (A1)                    | 3                                               | 4                                                           | 0615080300          | AER 1198C- Engine Overhaul, Repair and Testing                                                               | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Indian River State College | NIASE011                    | ASE Automobile/Light Truck Technician: Heating and Air Conditioning (A7)     | 3                                               | 4                                                           | 0615080300          | AER 2758C- Automotive Air Conditioning and Heating                                                           | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Indian River State College | NIASE012                    | ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3)     | 3                                               | 4                                                           | 0615080300          | AER 2398C- Manual Drive Train and Axles                                                                      | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |

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| Indian River State College | NIASE014                    | ASE Automobile/Light Truck Technician: Suspension and Steering (A4)  | 3                                               | 4                                                           | 0615080300          | AER 1498- Suspension, Steering, and Alignment                                             | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Indian River State College | NIASE076                    | ASE Auto Maintenance and Light Repair (G1)                           | 3                                               | 3                                                           | 0615080300          | AER 1081C- Introduction to Automotive Technology                                          | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Indian River State College | NRAEF003                    | Certified Food Protection Manager (ServSafe®)                        | 3                                               | 3                                                           | 1612050401          | FOS 2201- Food Service Sanitation Management                                              | Culinary Management                      | Hospitality & Tourism                    | 60 credit hours                 |
| Indian River State College | NRAEF003                    | Certified Food Protection Manager (ServSafe®)                        | 3                                               | 3                                                           | 1252090501          | FOS 2201- Food Service Sanitation Management                                              | Restaurant Management                    | Hospitality & Tourism                    | 60 credit hours                 |
| Indian River State College | NREMT001                    | Emergency Medical Technician (EMT)                                   | 9                                               | 11                                                          | 1351090402          | EMS 1119 Emergency Medical Technician (9); EMS 1119L Emergency Medical Technician Lab (2) | Emergency Medical Services               | Health Science                           | 73 credit hours                 |
| Indian River State College | NRFSP001                    | Certified Food Safety Manager                                        | 2                                               | 3                                                           | 1612050401          | FOS 2201- Food Service Sanitation Management                                              | Culinary Management                      | Hospitality & Tourism                    | 60 credit hours                 |
| Indian River State College | NRFSP001                    | Certified Food Safety Manager                                        | 2                                               | 3                                                           | 1252090501          | FOS 2201- Food Service Sanitation Management                                              | Restaurant Management                    | Hospitality & Tourism                    | 60 credit hours                 |
| Indian River State College | ORACL004                    | Oracle Foundations Associate, Java                                   | 3                                               | 3                                                           | 1511010307          | COP2800 - Java Programming                                                                | Computer Information Technology          | Information Technology                   | 60 credit hours                 |
| Indian River State College | PAHCO001                    | Certified Medical Manager (CMM)                                      | 3                                               | 3                                                           | 1351070101          | HSC1632 - Overview of healthcare delivery                                                 | Health Services Management               | Health Science                           | 60 credit hours                 |
| Indian River State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist              | 3                                               | 3                                                           | 1511010307          | COP2700 - Database Programming                                                            | Computer Information Technology          | Information Technology                   | 60 credit hours                 |
| Indian River State College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                   | 3                                               | 3                                                           | 1511010307          | COP2830 - Web Programming                                                                 | Computer Information Technology          | Information Technology                   | 60 credit hours                 |
| Indian River State College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist        | 3                                               | 3                                                           | 1511010307          | COP2830 - Web Programming                                                                 | Computer Information Technology          | Information Technology                   | 60 credit hours                 |
| Indian River State College | PROSO033                    | Certified Internet Web (CIW) Multimedia Specialist                   | 3                                               | 3                                                           | 1611080103          | DIG 2500- Fundamentals of Interactive Web Design                                          | Digital Media/ Multimedia Technology     | Arts, A/V Technology & Communication     | 60 credit hours                 |
| Indian River State College | SALES001                    | Salesforce Certified Administrator                                   | 3                                               | 3                                                           | 1252140101          | MKA2021 - Salesmanship                                                                    | Marketing Management                     | Marketing                                | 60 credit hours                 |
| Indian River State College | SCHRM001                    | SHRM-CP                                                              | 3                                               | 3                                                           | 1552020102          | MAN2300 - Introduction to Human Resource Management                                       | Business Administration                  | Business Management and Administration   | 60 credit hours                 |
| Indian River State College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations      | 3                                               | 3                                                           | 1615030301          | ETS 2550- SCADA Systems                                                                   | Electronics Engineering Technology       | Manufacturing                            | 68 credit hours                 |
| Indian River State College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations | 3                                               | 3                                                           | 1615030301          | ETS 2550- SCADA Systems                                                                   | Electronics Engineering Technology       | Manufacturing                            | 68 credit hours                 |
| Indian River State College | TAFLP001                    | Accredited Legal Professional (ALP)                                  | 3                                               | 6                                                           | 1722030200          | PLA2003, Introduction to Paralegal Studies; PLA2058, Survey of Law                        | Paralegal Studies (Legal Assisting)      | Law, Public Safety & Security            | 64 credit hours                 |
| Lake Sumter State College  | ADESK008                    | Autodesk Certified User - Revit                                      | 3                                               |                                                             | 1615100102          |                                                                                           | Building Construction Technology         | Architecture & Construction              | 60 credit hours                 |
| Lake Sumter State College  | ADESK011                    | Autodesk Certified User - Inventor                                   | 3                                               |                                                             | 1615000001          | ETD 1320C Introduction to AutoCAD                                                         | Engineering Technology                   | Manufacturing                            | 60 credit hours                 |
| Lake Sumter State College  | ADESK024                    | Autodesk Certified Professional - Inventor                           | 3                                               |                                                             | 1615000001          | ETD 1320C Introduction to AutoCAD                                                         | Engineering Technology                   | Manufacturing                            | 60 credit hours                 |
| Lake Sumter State College  | ADESK032                    | Autodesk Certified User - Fusion 360                                 | 3                                               |                                                             | 1615000001          | ETD 1320C Introduction to AutoCAD                                                         | Engineering Technology                   | Manufacturing                            | 60 credit hours                 |

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| Lake Sumter State College | ADESK033                    | Autodesk Certified Associate in CAD for Mechanical Design                     | 3                                               |                                                             | 1615000001          | ETD 1320C Introduction to AutoCAD                                                                                          | Engineering Technology          | Manufacturing                   | 60 credit hours                 |
| Lake Sumter State College | ADESK035                    | Autodesk Certified Associate in CAM for Turning                               | 3                                               |                                                             | 1615000001          |                                                                                                                            | Engineering Technology          | Manufacturing                   | 60 credit hours                 |
| Lake Sumter State College | ADESK038                    | Autodesk Certified Professional in CAM for 3 Axis Milling                     | 3                                               |                                                             | 1615000001          |                                                                                                                            | Engineering Technology          | Manufacturing                   | 60 credit hours                 |
| Lake Sumter State College | ADESK039                    | Autodesk Certified Professional in Design for Manufacturing                   | 3                                               |                                                             | 1615000001          |                                                                                                                            | Engineering Technology          | Manufacturing                   | 60 credit hours                 |
| Lake Sumter State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis      | 3                                               |                                                             | 1615000001          |                                                                                                                            | Engineering Technology          | Manufacturing                   | 60 credit hours                 |
| Lake Sumter State College | AMAMA001                    | Certified Medical Assistant (CMA)                                             | 3                                               | 7                                                           | 1351070101          | "HSC 1531 Medical Terminology<br>HIM 1273 Medical Insurance & Coding 1<br>HSA 2940 Internship: Health Services Management" | Health Services Management      | Health Science                  | 60 credit hours                 |
| Lake Sumter State College | AMEDT004                    | Registered Medical Assistant (RMA)                                            | 3                                               | 7                                                           | 1351070101          | "HSC 1531 Medical Terminology<br>HIM 1273 Medical Insurance & Coding 1<br>HSA 2940 Internship: Health Services Management" | Health Services Management      | Health Science                  | 60 credit hours                 |
| Lake Sumter State College | AMEDT005                    | Registered Phlebotomy Technician (RPT)                                        | 3                                               |                                                             | 1351100405          |                                                                                                                            | Medical Laboratory Technology   | Health Science                  | 76 credit hours                 |
| Lake Sumter State College | AMEDT006                    | Medical Laboratory Assistant (CMLA)                                           | 4                                               |                                                             | 1351100405          | MLT 1022C Introduction to Medical Laboratory Technology                                                                    | Medical Laboratory Technology   | Health Science                  | 76 credit hours                 |
| Lake Sumter State College | AMSPT002                    | Certified Phlebotomy Technician                                               | 1                                               |                                                             | 1351100405          |                                                                                                                            | Medical Laboratory Technology   | Health Science                  | 76 credit hours                 |
| Lake Sumter State College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               |                                                             | 1511010307          |                                                                                                                            | Computer Information Technology | Information Technology          | 60 credit hours                 |
| Lake Sumter State College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management | 3                                               |                                                             | 1511010307          |                                                                                                                            | Computer Information Technology | Information Technology          | 60 credit hours                 |
| Lake Sumter State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                          | 3                                               |                                                             | 1511010307          |                                                                                                                            | Computer Information Technology | Information Technology          | 60 credit hours                 |
| Lake Sumter State College | CERTI012                    | Information Technology Specialist (ITS) - Python                              | 3                                               |                                                             | 1511100308          |                                                                                                                            | Cybersecurity                   | Information Technology          | 60 credit hours                 |
| Lake Sumter State College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                     | 3                                               |                                                             | 1511010307          |                                                                                                                            | Computer Information Technology | Information Technology          | 60 credit hours                 |
| Lake Sumter State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                      | 3                                               |                                                             | 1511010307          |                                                                                                                            | Computer Information Technology | Information Technology          | 60 credit hours                 |
| Lake Sumter State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                       | 3                                               |                                                             | 1511100308          |                                                                                                                            | Cybersecurity                   | Information Technology          | 60 credit hours                 |
| Lake Sumter State College | CISCO029                    | Cisco Certified Support Technician (CCST) Networking                          | 3                                               |                                                             | 1511010307          |                                                                                                                            | Computer Information Technology | Information Technology          | 60 credit hours                 |
| Lake Sumter State College | COMPT008                    | CompTIA Security+                                                             | 3                                               |                                                             | 1511100308          | CET 2660 Network Security Fundamentals                                                                                     | Cybersecurity                   | Information Technology          | 60 credit hours                 |
| Lake Sumter State College | COMPT009                    | CompTIA Server+                                                               | 3                                               |                                                             | 1511010307          | CTS 2334 Server Administration                                                                                             | Computer Information Technology | Information Technology          | 60 credit hours                 |
| Lake Sumter State College | COMPT018                    | CompTIA Tech+                                                                 | 3                                               |                                                             | 1511010307          |                                                                                                                            | Computer Information Technology | Information Technology          | 60 credit hours                 |
| Lake Sumter State College | ETAIN008                    | Associate Certified Electronics Technician (CETa)                             | 3                                               |                                                             | 1615000001          |                                                                                                                            | Engineering Technology          | Manufacturing                   | 60 credit hours                 |

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| Lake Sumter State College | FDMQA030                    | 911 Public Safety Telecommunicator                                                 | 3                                               |                                                             | 1743010302          | CJE 2946 Practicum in Criminal Justice                                                                                                                                                                                                                                                                                                              | Criminal Justice Technology          | Law, Public Safety & Security          | 60 credit hours                 |
| Lake Sumter State College | FLDLE002                    | Correctional Officer                                                               | 6                                               | 12                                                          | 1743010302          | "CJC 1000 Introduction to Corrections<br>CJE 2946 Criminal Justice Practicum<br>CJE 2331 Ethics in Criminal Justice<br>CCJ 1020 Introduction to Criminal Justice"                                                                                                                                                                                   | Criminal Justice Technology          | Law, Public Safety & Security          | 60 credit hours                 |
| Lake Sumter State College | FLDLE003                    | Correctional Probation Officer                                                     | 6                                               | 12                                                          | 1743010302          | "CJC 1000 Introduction to Corrections<br>CJE 2946 Criminal Justice Practicum<br>CJE 2331 Ethics in Criminal Justice<br>CCJ 1020 Introduction to Criminal Justice"                                                                                                                                                                                   | Criminal Justice Technology          | Law, Public Safety & Security          | 60 credit hours                 |
| Lake Sumter State College | FLDLE004                    | Law Enforcement Officer                                                            | 12                                              | 27                                                          | 1743010302          | "CJE 2331 Ethics in Criminal Justice<br>CJL 2102 Criminal Procedure and Evidence<br>CJE 2600 Criminal Investigation<br>CJL 2100 Criminal Law<br>CJE 2946 Criminal Justice Practicum<br>CCJ 1020 Introduction to Criminal Justice<br>CCJ 1001 Introduction to Criminology<br>CJE 2500 Police Operations<br>CJE 1002 Introduction to Law Enforcement" | Criminal Justice Technology          | Law, Public Safety & Security          | 60 credit hours                 |
| Lake Sumter State College | GLIAC008                    | GIAC Penetration Tester (GPEN)                                                     | 3                                               |                                                             | 1511100308          |                                                                                                                                                                                                                                                                                                                                                     | Cybersecurity                        | Information Technology                 | 60 credit hours                 |
| Lake Sumter State College | GLIAC009                    | GIAC Certified Incident Handler (GCIH)                                             | 3                                               |                                                             | 1511100308          |                                                                                                                                                                                                                                                                                                                                                     | Cybersecurity                        | Information Technology                 | 60 credit hours                 |
| Lake Sumter State College | GRBCI002                    | LEED Green Associate                                                               | 2                                               | 3                                                           | 1615100102          | BCN 1001 Introduction to Building Construction                                                                                                                                                                                                                                                                                                      | Building Construction Technology     | Architecture & Construction            | 60 credit hours                 |
| Lake Sumter State College | ICOEC005                    | EC-Council Cyber Forensics Associate                                               | 3                                               |                                                             | 1511100308          |                                                                                                                                                                                                                                                                                                                                                     | Cybersecurity                        | Information Technology                 | 60 credit hours                 |
| Lake Sumter State College | ICOEC006                    | EC-Council Ethical Hacker Associate                                                | 3                                               |                                                             | 1511100308          |                                                                                                                                                                                                                                                                                                                                                     | Cybersecurity                        | Information Technology                 | 60 credit hours                 |
| Lake Sumter State College | ICOEC010                    | EC-Council Digital Forensics Essentials (DFE)                                      | 3                                               |                                                             | 1511100308          |                                                                                                                                                                                                                                                                                                                                                     | Cybersecurity                        | Information Technology                 | 60 credit hours                 |
| Lake Sumter State College | ICOEC011                    | EC-Council Ethical Hacking Essentials (EHE)                                        | 3                                               |                                                             | 1511100308          |                                                                                                                                                                                                                                                                                                                                                     | Cybersecurity                        | Information Technology                 | 60 credit hours                 |
| Lake Sumter State College | INTUT001                    | Quickbooks Certified User                                                          | 3                                               |                                                             | 1552020102          | APA 2144 Introduction to QuickBooks                                                                                                                                                                                                                                                                                                                 | Business Administration              | Business Management and Administration | 60 credit hours                 |
| Lake Sumter State College | INTUT002                    | Entrepreneurship & Small Business                                                  | 3                                               | 6                                                           | 1552020102          | "ENT 1000 Introduction to Entrepreneurship<br>SBM 2000 Small Business Management"                                                                                                                                                                                                                                                                   | Business Administration              | Business Management and Administration | 60 credit hours                 |
| Lake Sumter State College | INTUT003                    | Master Entrepreneurship Certification                                              | 3                                               |                                                             | 1552020102          | ENT 1000 Introduction to Entrepreneurship                                                                                                                                                                                                                                                                                                           | Business Administration              | Business Management and Administration | 60 credit hours                 |
| Lake Sumter State College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification                         | 3                                               |                                                             | 1615000001          |                                                                                                                                                                                                                                                                                                                                                     | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Lake Sumter State College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                             | 3                                               |                                                             | 1615000001          |                                                                                                                                                                                                                                                                                                                                                     | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Lake Sumter State College | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                       | 3                                               |                                                             | 1611080103          |                                                                                                                                                                                                                                                                                                                                                     | Digital Media/ Multimedia Technology | Arts, A/V Technology & Communication   | 60 credit hours                 |
| Lake Sumter State College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher) | 3                                               |                                                             | 1611080103          |                                                                                                                                                                                                                                                                                                                                                     | Digital Media/ Multimedia Technology | Arts, A/V Technology & Communication   | 60 credit hours                 |
| Lake Sumter State College | KNOWL007                    | .NET Coding Specialist                                                             | 3                                               |                                                             | 1511010307          |                                                                                                                                                                                                                                                                                                                                                     | Computer Information Technology      | Information Technology                 | 60 credit hours                 |

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| Lake Sumter State College | LINPI001                    | Linux Essentials 010                                                         | 3                                               |                                                             | 1511010307          |                                                                                                                                                                                                                            | Computer Information Technology      | Information Technology                 | 60 credit hours                 |
| Lake Sumter State College | LINPI001                    | Linux Essentials 010                                                         | 3                                               |                                                             | 1511100308          |                                                                                                                                                                                                                            | Cybersecurity                        | Information Technology                 | 60 credit hours                 |
| Lake Sumter State College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                   | 15                                              | 15                                                          | 1615000001          | “ETD 1320C Introduction to AutoCAD<br>ETM 1010C Mechanical Measurement & Instrumentation<br>ETI 1420C Manufacturing Processes and Materials<br>ETI 1110C Introduction to Quality Assurance<br>ETI 1701C Industrial Safety” | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Lake Sumter State College | NATHA007                    | Certified Phlebotomy Technician (CPT)                                        | 1                                               |                                                             | 1351100405          |                                                                                                                                                                                                                            | Medical Laboratory Technology        | Health Science                         | 76 credit hours                 |
| Lake Sumter State College | NATHA009                    | Certified Clinical Medical Assistant (CCMA)                                  | 3                                               | 7                                                           | 1351070101          | “HSC 1531 Medical Terminology<br>HIM 1273 Medical Insurance & Coding 1<br>HSA 2940 Internship: Health Services Management”                                                                                                 | Health Services Management           | Health Science                         | 60 credit hours                 |
| Lake Sumter State College | NCCER098                    | NCCER Manufactured Construction Technology - Level 1 (Secondary)             | 3                                               |                                                             | 1615100102          |                                                                                                                                                                                                                            | Building Construction Technology     | Architecture & Construction            | 60 credit hours                 |
| Lake Sumter State College | NCCER099                    | NCCER Manufactured Construction Technology - Level 2 (Secondary)             | 3                                               |                                                             | 1615100102          |                                                                                                                                                                                                                            | Building Construction Technology     | Architecture & Construction            | 60 credit hours                 |
| Lake Sumter State College | NCCER266                    | NCCER Industrial Maintenance Mechanic Level 4                                | 3                                               |                                                             | 1615000001          |                                                                                                                                                                                                                            | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Lake Sumter State College | NCFCT008                    | National Certified Patient Care Technician (NCPCT)                           | 3                                               | 3                                                           | 1351070101          | HSA 2182 Health Services Management Concepts                                                                                                                                                                               | Health Services Management           | Health Science                         | 60 credit hours                 |
| Lake Sumter State College | NIFMS001                    | NIMS Machining - CNC Mill Programming Setup & Operations                     | 1                                               | 1                                                           | 1615000001          | ETI 1949 Engineering Technology Internship                                                                                                                                                                                 | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Lake Sumter State College | NIFMS002                    | NIMS Machining - CNC Lathe Programming Setup & Operations                    | 1                                               | 1                                                           | 1615000001          | ETI 1949 Engineering Technology Internship                                                                                                                                                                                 | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Lake Sumter State College | NIFMS012                    | NIMS Machining Level II - Grinding Skills II                                 | 2                                               |                                                             | 1615000001          |                                                                                                                                                                                                                            | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Lake Sumter State College | ORACL004                    | Oracle Foundations Associate, Java                                           | 3                                               |                                                             | 1511010307          |                                                                                                                                                                                                                            | Computer Information Technology      | Information Technology                 | 60 credit hours                 |
| Lake Sumter State College | PAHCO001                    | Certified Medical Manager (CMM)                                              | 3                                               |                                                             | 1351070101          |                                                                                                                                                                                                                            | Health Services Management           | Health Science                         | 60 credit hours                 |
| Lake Sumter State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist                      | 3                                               |                                                             | 1511010307          |                                                                                                                                                                                                                            | Computer Information Technology      | Information Technology                 | 60 credit hours                 |
| Lake Sumter State College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               |                                                             | 1511010307          |                                                                                                                                                                                                                            | Computer Information Technology      | Information Technology                 | 60 credit hours                 |
| Lake Sumter State College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                | 3                                               |                                                             | 1511010307          |                                                                                                                                                                                                                            | Computer Information Technology      | Information Technology                 | 60 credit hours                 |
| Lake Sumter State College | PROSO033                    | Certified Internet Web (CIW) Multimedia Specialist                           | 3                                               |                                                             | 1611080103          |                                                                                                                                                                                                                            | Digital Media/ Multimedia Technology | Arts, A/V Technology & Communication   | 60 credit hours                 |
| Lake Sumter State College | PROSO034                    | Certified Internet Web (CIW) Artificial Intelligence Associate               | 3                                               |                                                             | 1511010200          |                                                                                                                                                                                                                            | Applied Artificial Intelligence      | Information Technology                 | 60 credit hours                 |
| Lake Sumter State College | PROSO035                    | Certified Internet Web (CIW) Artificial Intelligence Data Science Specialist | 3                                               |                                                             | 1511010200          |                                                                                                                                                                                                                            | Applied Artificial Intelligence      | Information Technology                 | 60 credit hours                 |
| Lake Sumter State College | SCHRM001                    | SHRM-CP                                                                      | 3                                               |                                                             | 1552020102          | MNA 1100 Human Relations in Business & Industry                                                                                                                                                                            | Business Administration              | Business Management and Administration | 60 credit hours                 |

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| Lake Sumter State College       | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations                                | 3                                               |                                                             | 1615000001          |                                                                                                                                                                             | Engineering Technology            | Manufacturing                            | 60 credit hours                 |
| Lake Sumter State College       | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations                           | 3                                               |                                                             | 1615000001          |                                                                                                                                                                             | Engineering Technology            | Manufacturing                            | 60 credit hours                 |
| Lake Sumter State College       | SMACA011                    | C-104 Certified Industry 4.0 Associate IV - IIoT Networking & Data Analytics                   | 3                                               |                                                             | 1615000001          |                                                                                                                                                                             | Engineering Technology            | Manufacturing                            | 60 credit hours                 |
| Lake Sumter State College       | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)                                     | 3                                               |                                                             | 1615000001          | ETD 1320C Introduction to AutoCAD                                                                                                                                           | Engineering Technology            | Manufacturing                            | 60 credit hours                 |
| Lake Sumter State College       | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)                                  | 3                                               |                                                             | 1615000001          | ETD 1320C Introduction to AutoCAD                                                                                                                                           | Engineering Technology            | Manufacturing                            | 60 credit hours                 |
| Northwest Florida State College | ADOBE024                    | Adobe Certified Professional in Visual Design (Requires Photoshop and Illustrator or InDesign) | 3                                               |                                                             | 1611080300          | ART 2602C Digital Imaging I                                                                                                                                                 | Graphics Technology               | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Northwest Florida State College | AIOPB001                    | Certified Bookkeeper                                                                           | 3                                               |                                                             | 1552030201          | ACO 1806 Payroll Accounting                                                                                                                                                 | Accounting Technology             | Business Management and Administration   | 60 credit hours                 |
| Northwest Florida State College | AMSPT002                    | Certified Phlebotomy Technician                                                                | 1                                               | 2                                                           | 1351100405          | MEA1040C Phlebotomy for MLT                                                                                                                                                 | Medical Laboratory Technology     | Health Science                           | 76 credit hours                 |
| Northwest Florida State College | APPLE021                    | Apple App Development with Swift Certified User                                                | 3                                               |                                                             | 1511020101          | COP2220 Programming in C                                                                                                                                                    | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Northwest Florida State College | APPLE022                    | Apple App Development with Swift Associate                                                     | 3                                               |                                                             | 1511020101          | COP2220 Programming in C                                                                                                                                                    | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Northwest Florida State College | CERTI003                    | Information Technology Specialist (ITS) - Databases                                            | 3                                               |                                                             | 1511020101          | CGS 2541 Introduction to Database                                                                                                                                           | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Northwest Florida State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                                           | 3                                               |                                                             | 1511020101          | COP 2800 Introcuton ot Java Programming                                                                                                                                     | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Northwest Florida State College | CERTI012                    | Information Technology Specialist (ITS) - Python                                               | 3                                               |                                                             | 1511020101          | COP2030 Programming in Python                                                                                                                                               | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Northwest Florida State College | CERTI012                    | Information Technology Specialist (ITS) - Python                                               | 3                                               |                                                             | 1511100308          | COP2030 Programming in Python                                                                                                                                               | Cybersecurity                     | Information Technology                   | 60 credit hours                 |
| Northwest Florida State College | CERTI013                    | Information Technology Specialist (ITS) – Java                                                 | 3                                               |                                                             | 1511020101          | COP 2800 Introcuton ot Java Programming                                                                                                                                     | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Northwest Florida State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                                        | 3                                               |                                                             | 1511100308          | CTS 1134 Networking Foundations                                                                                                                                             | Cybersecurity                     | Information Technology                   | 60 credit hours                 |
| Northwest Florida State College | COMPT008                    | CompTIA Security+                                                                              | 3                                               |                                                             | 1511100308          | CET 2802 Advanced Network Security                                                                                                                                          | Cybersecurity                     | Information Technology                   | 60 credit hours                 |
| Northwest Florida State College | COMPT018                    | CompTIA Tech+                                                                                  | 3                                               |                                                             | 1511020101          | New CompTIA Cert. Recommend to Replace CTS 2104 or CIS 1000; also may introduce a new course for CHS?                                                                       | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Northwest Florida State College | ETAIN008                    | Associate Certified Electronics Technician (CETa)                                              | 3                                               | 6                                                           | 1615000001          | EET 1015 and EET 1025                                                                                                                                                       | Engineering Technology            | Manufacturing                            | 60 credit hours                 |
| Northwest Florida State College | FEDAA005                    | FAA Certified Flight Instructor License                                                        | 3                                               | 4                                                           | 1649010200          | “ATF2500L (1CR) - Certified Flight Instructor ATT2131 (3CR) - Certified Flight Instructor Ground”                                                                           | Professional Pilot Technology     | Transportation, Distribution & Logistics | 64 credit hours                 |
| Northwest Florida State College | FEDAA006                    | FAA Commercial Pilot                                                                           | 3                                               | 6                                                           | 1649010200          | “ATF2201L (1CR) - Commercial Flight I<br>ATF2202L (1CR) - Commercial Flight II<br>ATF2203L (1CR) - Commercial Flight III<br>ATT2110 (3CR) - Commercial Pilot Ground School” | Professional Pilot Technology     | Transportation, Distribution & Logistics | 64 credit hours                 |

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|---------------------------------|-----------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|------------------------------------|
| Northwest Florida State College | FEDAA011                          | FAA Private Pilot                                                                     | 3                                                           | 1                                                                       | 1649010200             | ATF1100L - Private Pilot Flight                                                               | Professional Pilot<br>Technology        | Transportation,<br>Distribution &<br>Logistics | 64 credit hours                    |
| Northwest Florida State College | FEDAA013                          | FAA Ground School                                                                     | 3                                                           | 3                                                                       | 1615080102             | ATT1100 - Private Pilot Ground School                                                         | Unmanned Vehicle<br>Systems Operations  | Transportation,<br>Distribution &<br>Logistics | 62 credit hours                    |
| Northwest Florida State College | FEDAA021                          | E12FAA Instrument Airplane Rating                                                     | 3                                                           | 4                                                                       | 1649010200             | “ATF2305L (1CR) - Instrument Pilot Flight<br>ATT1120 (3CR) - Instrument Rating Ground School” | Professional Pilot<br>Technology        | Transportation,<br>Distribution &<br>Logistics | 64 credit hours                    |
| Northwest Florida State College | GLIAC008                          | GIAC Penetration Tester (GPEN)                                                        | 3                                                           |                                                                         | 1511100308             | CIS 2352C Ethical Hacking Fundamentals                                                        | Cybersecurity                           | Information<br>Technology                      | 60 credit hours                    |
| Northwest Florida State College | GLIAC009                          | GIAC Certified Incident Handler (GCIH)                                                | 3                                                           |                                                                         | 1511100308             | CTS 1156C Desktop Support                                                                     | Cybersecurity                           | Information<br>Technology                      | 60 credit hours                    |
| Northwest Florida State College | ICOEC005                          | EC-Council Cyber Forensics Associate                                                  | 3                                                           |                                                                         | 1511100308             | CET 2880C Digital Forensics Fundamentals                                                      | Cybersecurity                           | Information<br>Technology                      | 60 credit hours                    |
| Northwest Florida State College | ICOEC006                          | EC-Council Ethical Hacker Associate                                                   | 3                                                           |                                                                         | 1511100308             | CIS 2352C Ethical Hacking Fundamentals                                                        | Cybersecurity                           | Information<br>Technology                      | 60 credit hours                    |
| Northwest Florida State College | ICOEC010                          | EC-Council Digital Forensics Essentials (DFE)                                         | 3                                                           |                                                                         | 1511100308             | CET 2880C Digital Forensics Fundamentals                                                      | Cybersecurity                           | Information<br>Technology                      | 60 credit hours                    |
| Northwest Florida State College | ICOEC011                          | EC-Council Ethical Hacking Essentials (EHE)                                           | 3                                                           |                                                                         | 1511100308             | CIS 2352C Ethical Hacking Fundamentals                                                        | Cybersecurity                           | Information<br>Technology                      | 60 credit hours                    |
| Northwest Florida State College | INTUT001                          | Quickbooks Certified User                                                             | 3                                                           |                                                                         | 1552030201             | ACG 2071 Managerial Accounting                                                                | Accounting<br>Technology                | Business<br>Management and<br>Administration   | 60 credit hours                    |
| Northwest Florida State College | INTUT001                          | Quickbooks Certified User                                                             | 3                                                           |                                                                         | 1552020102             | ACG 2071 Managerial Accounting                                                                | Business<br>Administration              | Business<br>Management and<br>Administration   | 60 credit hours                    |
| Northwest Florida State College | INTUT002                          | Entrepreneurship & Small Business                                                     | 3                                                           |                                                                         | 1552020102             | GEB 1011 Introduction to Business                                                             | Business<br>Administration              | Business<br>Management and<br>Administration   | 60 credit hours                    |
| Northwest Florida State College | INTUT003                          | Master Entrepreneurship Certification                                                 | 3                                                           |                                                                         | 1552020102             | SBM 2000 Small Business Management                                                            | Business<br>Administration              | Business<br>Management and<br>Administration   | 60 credit hours                    |
| Northwest Florida State College | INTUT004                          | Intuit Certified Bookkeeping Professional                                             | 3                                                           |                                                                         | 1552030201             | TAX 200 Federal Income Tax: Individual                                                        | Accounting<br>Technology                | Business<br>Management and<br>Administration   | 60 credit hours                    |
| Northwest Florida State College | ISOGR008                          | TOSA® Graphics Certified User – Expert Level<br>(Postsecondary)                       | 3                                                           |                                                                         | 1611080300             | ART 2602C Digital Imaging I                                                                   | Graphics Technology                     | Arts, A/V Technology<br>& Communication        | 64 credit hours                    |
| Northwest Florida State College | ISOGR010                          | TOSA® JavaScript Certified User – Expert<br>Level (Postsecondary)                     | 3                                                           |                                                                         | 1511020101             | COP 2800 Introcuton ot Java Programming                                                       | Computer<br>Programming and<br>Analysis | Information<br>Technology                      | 60 credit hours                    |
| Northwest Florida State College | ISOGR011                          | TOSA® Python Certified User – Expert Level<br>(Postsecondary)                         | 3                                                           |                                                                         | 1511020101             | COP 20230 Prgramming in Python                                                                | Computer<br>Programming and<br>Analysis | Information<br>Technology                      | 60 credit hours                    |
| Northwest Florida State College | ISOGR012                          | TOSA® Graphics Certified User for Adobe -<br>Visual Design (Advanced Level or Higher) | 3                                                           |                                                                         | 1611080300             | ART 2602C Digital Imaging I                                                                   | Graphics Technology                     | Arts, A/V Technology<br>& Communication        | 64 credit hours                    |
| Northwest Florida State College | KNOWL001                          | Python Coding Specialist                                                              | 3                                                           |                                                                         | 1511020101             | COP 20230 Prgramming in Python                                                                | Computer<br>Programming and<br>Analysis | Information<br>Technology                      | 60 credit hours                    |
| Northwest Florida State College | KNOWL005                          | C# Coding Specialist                                                                  | 3                                                           |                                                                         | 1511020101             | COP 2360 Programming in C#                                                                    | Computer<br>Programming and<br>Analysis | Information<br>Technology                      | 60 credit hours                    |
| Northwest Florida State College | KNOWL006                          | C# Coding Apprentice                                                                  | 3                                                           |                                                                         | 1511020101             | COP 2360 Programming in C#                                                                    | Computer<br>Programming and<br>Analysis | Information<br>Technology                      | 60 credit hours                    |

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|---------------------------------|-----------------------------|----------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|---------------------------------|
| Northwest Florida State College | LINPI001                    | Linux Essentials 010                                                 | 3                                               |                                                             | 1511100308          | CTS 1106 Fundamentals of Linux                                                                  | Cybersecurity                       | Information Technology                 | 60 credit hours                 |
| Northwest Florida State College | NCCER266                    | NCCER Industrial Maintenance Mechanic Level 4                        | 3                                               |                                                             | 1615000001          | ETM 1005C Basic Mechanical Operations                                                           | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Northwest Florida State College | NCSBN002                    | National Licensed Practical Nurse (NCLEX-PN)                         | 10                                              |                                                             | 1351380100          | NUR 1021C - Nursing Process I (6 hrs) & NUR 1021L Nursing Process I Clinical Experience (4 hrs) | Nursing R.N.                        | Health Science                         | 60 credit hours                 |
| Northwest Florida State College | NIFMS001                    | NIMS Machining - CNC Mill Programming Setup & Operations             | 1                                               |                                                             | 1615000001          | PMT 2262C                                                                                       | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Northwest Florida State College | NRAEF003                    | Certified Food Protection Manager (ServSafe®)                        | 3                                               |                                                             | 1612050401          | FOS 2201 - Food Service Sanitation Management                                                   | Culinary Management                 | Hospitality & Tourism                  | 60 credit hours                 |
| Northwest Florida State College | NRFSP001                    | Certified Food Safety Manager                                        | 2                                               |                                                             | 1612050401          | FOS 2201 - Food Service Sanitation Management                                                   | Culinary Management                 | Hospitality & Tourism                  | 60 credit hours                 |
| Northwest Florida State College | OEDGP001                    | PCAP – Certified Associate in Python Programming                     | 3                                               |                                                             | 1511020101          | COP 20230 Prgramming in Python                                                                  | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Northwest Florida State College | ORACL004                    | Oracle Foundations Associate, Java                                   | 3                                               |                                                             | 1511020101          | COP 2800 Introcuton ot Java Programming                                                         | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Northwest Florida State College | PAHCO001                    | Certified Medical Manager (CMM)                                      | 3                                               |                                                             | 1351070101          | HSC 1531 Medical Terminology                                                                    | Health Services Management          | Health Science                         | 60 credit hours                 |
| Northwest Florida State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist              | 3                                               |                                                             | 1511020101          | CGS 2541 Introduction to Database                                                               | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Northwest Florida State College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                   | 3                                               |                                                             | 1511020101          | COP 2800 Introcuton ot Java Programming                                                         | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Northwest Florida State College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist        | 3                                               |                                                             | 1511020101          | CGS 2820 Web Design                                                                             | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Northwest Florida State College | PROSO032                    | Certified Internet Web (CIW) User Interface Designer                 | 3                                               |                                                             | 1511020101          | CGS 2820 Web Design                                                                             | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Northwest Florida State College | SCHRM001                    | SHRM-CP                                                              | 3                                               |                                                             | 1552020102          | HFT 2225 Human Relations in Hospitality                                                         | Business Administration             | Business Management and Administration | 60 credit hours                 |
| Northwest Florida State College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations      | 3                                               |                                                             | 1615000001          | ETM 1005C Basic Mechanical Operations                                                           | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Northwest Florida State College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations | 3                                               |                                                             | 1615000001          | EEL 2603C Robotics Mechanics Controls                                                           | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Northwest Florida State College | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)           | 3                                               |                                                             | 1615000001          | ETD 2364C                                                                                       | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Northwest Florida State College | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)        | 3                                               |                                                             | 1615000001          | ETD 2364C                                                                                       | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Northwest Florida State College | TAFLP001                    | Accredited Legal Professional (ALP)                                  | 3                                               |                                                             | 1722030200          | PLA 1003 Intro to Paralegal Studies                                                             | Paralegal Studies (Legal Assisting) | Law, Public Safety & Security          | 64 credit hours                 |
| Pensacola State College         | ACFAT001                    | Accredited Business Accountant (ABA)                                 | 3                                               | 3                                                           | 1552030201          | ACG 2021- Financial Accounting Principles                                                       | Accounting Technology               | Business Management and Administration | 60 credit hours                 |
| Pensacola State College         | ACFED002                    | Certified Culinarian (CC)                                            | 3                                               | 3                                                           | 1612050401          | HFT 1000 - Introduction to the Hospitality Industry                                             | Culinary Management                 | Hospitality & Tourism                  | 60 credit hours                 |
| Pensacola State College         | ACFED006                    | Certified Fundamentals Cook                                          | 3                                               | 3                                                           | 1252090101          | HFT 1000 - Introduction to the Hospitality Industry                                             | Hospitality & Tourism Management    | Hospitality & Tourism                  | 60 credit hours                 |

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|-------------------------|-----------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------|---------------------------------|
| Pensacola State College | ADESK002                    | Autodesk Certified User - AutoCAD                                                              | 3                                               | 3                                                           | 1604090100          | EGN 1123 - Engineering Graphics                                                 | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                 |
| Pensacola State College | ADESK008                    | Autodesk Certified User - Revit                                                                | 3                                               | 3                                                           | 1604090100          | ETD 2397C - Building Informaton Management                                      | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                 |
| Pensacola State College | ADESK011                    | Autodesk Certified User - Inventor                                                             | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design OR ETD 2340 - Computer Drafting | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Pensacola State College | ADESK024                    | Autodesk Certified Professional - Inventor                                                     | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design OR ETD 2340 - Computer Drafting | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Pensacola State College | ADESK025                    | Autodesk Certified Professional - Revit Architecture                                           | 3                                               | 3                                                           | 1604090100          | ETD 2397C - Building Informaton Management                                      | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                 |
| Pensacola State College | ADESK032                    | Autodesk Certified User - Fusion 360                                                           | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design OR ETD 2340 - Computer Drafting | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Pensacola State College | ADESK033                    | Autodesk Certified Associate in CAD for Mechanical Design                                      | 3                                               | 3                                                           | 1615000001          | EGN 1123 - Engineering Graphics                                                 | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Pensacola State College | ADESK035                    | Autodesk Certified Associate in CAM for Turning                                                | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design (3 credits)                     | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Pensacola State College | ADESK036                    | Autodesk Certified Expert in CAM for Multi-Axis Milling                                        | 3                                               | 3                                                           | 1615030301          | EET 1084C - Electronics Overview                                                | Electronics Engineering Technology             | Manufacturing                          | 68 credit hours                 |
| Pensacola State College | ADESK037                    | Autodesk Certified Expert in Generative Design for Manufacturing                               | 3                                               | 3                                                           | 1615030301          | EET 1084C - Electronics Overview                                                | Electronics Engineering Technology             | Manufacturing                          | 68 credit hours                 |
| Pensacola State College | ADESK038                    | Autodesk Certified Professional in CAM for 3 Axis Milling                                      | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design (3 credits)                     | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Pensacola State College | ADESK039                    | Autodesk Certified Professional in Design for Manufacturing                                    | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design (3 credits)                     | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Pensacola State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                       | 3                                               | 3                                                           | 1604090100          | ETD 2355 - Advanced Computer Drafting                                           | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                 |
| Pensacola State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                       | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design (3 credits)                     | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Pensacola State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                       | 3                                               | 3                                                           | 1615030301          | EET 1084C - Electronics Overview                                                | Electronics Engineering Technology             | Manufacturing                          | 68 credit hours                 |
| Pensacola State College | ADOBE024                    | Adobe Certified Professional in Visual Design (Requires Photoshop and Illustrator or InDesign) | 3                                               | 3                                                           | 1611080300          | GRA 2151 - Computer Graphics I                                                  | Graphics Technology                            | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Pensacola State College | AIOPB001                    | Certified Bookkeeper                                                                           | 3                                               | 3                                                           | 1552030201          | ACG 2001 - Accounting I                                                         | Accounting Technology                          | Business Management and Administration | 60 credit hours                 |
| Pensacola State College | AMAMA001                    | Certified Medical Assistant (CMA)                                                              | 3                                               | 3                                                           | 1351070700          | HSC 1531 -Medical Terminology                                                   | Health Information Technology                  | Health Science                         | 70 credit hours                 |
| Pensacola State College | AMAMA001                    | Certified Medical Assistant (CMA)                                                              | 3                                               | 3                                                           | 1351070101          | HSC 1531 -Medical Terminology                                                   | Health Services Management                     | Health Science                         | 60 credit hours                 |
| Pensacola State College | AMDDA002                    | Certified Apprentice Drafter - Architectural                                                   | 3                                               | 3                                                           | 1604090100          | EGN 1123 - Engineering Graphics                                                 | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                 |
| Pensacola State College | AMEDT004                    | Registered Medical Assistant (RMA)                                                             | 3                                               | 3                                                           | 1351070101          | HSC 1531 -Medical Terminology                                                   | Health Services Management                     | Health Science                         | 60 credit hours                 |

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| Pensacola State College | APPLE021                    | Apple App Development with Swift Certified User                               | 3                                               | 3                                                           | 1511020101          | COP 2650 -Mobile Application Programming           | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| Pensacola State College | APPLE022                    | Apple App Development with Swift Associate                                    | 3                                               | 3                                                           | 1511020101          | COP 2650 -Mobile Application Programming           | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| Pensacola State College | CARCH002                    | Chief Architect Certified Apprentice                                          | 3                                               | 3                                                           | 1604090100          | EGN 1123 - Engineering Graphics                    | Architectural Design & Construction Technology | Architecture & Construction     | 66 credit hours                 |
| Pensacola State College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               | 3                                                           | 1511010307          | CTS 2433 -Database Development and Management      | Computer Information Technology                | Information Technology          | 60 credit hours                 |
| Pensacola State College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               | 3                                                           | 1511020101          | CTS 2433 -Database Development and Management      | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| Pensacola State College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management | 3                                               | 3                                                           | 1511010307          | CGS 1061 - Introduction to Computers in Technology | Computer Information Technology                | Information Technology          | 60 credit hours                 |
| Pensacola State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                          | 3                                               | 3                                                           | 1511010307          | COP 1510 - Programming Concepts                    | Computer Information Technology                | Information Technology          | 60 credit hours                 |
| Pensacola State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                          | 3                                               | 3                                                           | 1511020101          | COP 1510 - Programming Concepts                    | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| Pensacola State College | CERTI012                    | Information Technology Specialist (ITS) - Python                              | 3                                               | 3                                                           | 1511020101          | COP 1510 - Programming Concepts                    | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| Pensacola State College | CERTI012                    | Information Technology Specialist (ITS) - Python                              | 3                                               | 3                                                           | 1511100308          | COP 1510 - Programming Concepts                    | Cybersecurity                                  | Information Technology          | 60 credit hours                 |
| Pensacola State College | CERTI013                    | Information Technology Specialist (ITS) – Java                                | 3                                               | 3                                                           | 1511020101          | COP 2800 - Java Programming                        | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| Pensacola State College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                     | 3                                               | 3                                                           | 1511010307          | CTS 2145C - Cloud Essentials                       | Computer Information Technology                | Information Technology          | 60 credit hours                 |
| Pensacola State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                      | 3                                               | 3                                                           | 1511010307          | CIS 1350C - Security Awareness                     | Computer Information Technology                | Information Technology          | 60 credit hours                 |
| Pensacola State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                       | 3                                               | 3                                                           | 1511100308          | CIS 1350C - Security Awareness                     | Cybersecurity                                  | Information Technology          | 60 credit hours                 |
| Pensacola State College | CISCO029                    | Cisco Certified Support Technician (CCST) Networking                          | 3                                               | 3                                                           | 1511010307          | CET 1588 - Networking                              | Computer Information Technology                | Information Technology          | 60 credit hours                 |
| Pensacola State College | COMPT005                    | CompTIA Linux+                                                                | 3                                               | 3                                                           | 1511020101          | COP 2933 - Special Topics in Computer Programming  | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| Pensacola State College | COMPT008                    | CompTIA Security+                                                             | 3                                               | 3                                                           | 1511100308          | CTS 2120C - Network Security +                     | Cybersecurity                                  | Information Technology          | 60 credit hours                 |
| Pensacola State College | COMPT009                    | CompTIA Server+                                                               | 3                                               | 3                                                           | 1511010307          | CTS 1390C - Install & Configure Windows Server     | Computer Information Technology                | Information Technology          | 60 credit hours                 |
| Pensacola State College | COMPT018                    | CompTIA Tech+                                                                 | 3                                               | 3                                                           | 1511010307          | CGS 1061 - Introduction to Computers in Technology | Computer Information Technology                | Information Technology          | 60 credit hours                 |

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|-------------------------|-----------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------|------------------------------------|
| Pensacola State College | COMPT018                          | CompTIA Tech+                                                                   | 3                                                           | 3                                                                       | 1511020101             | CGS 1570 - Computer Concepts and Applications                                                                                                   | Computer Programming and Analysis  | Information Technology                   | 60 credit hours                    |
| Pensacola State College | CPREC001                          | Child Development Associate (CDA)                                               | 9                                                           | 9                                                                       | 1413121004             | EEC 1100 - Introduction to Early Childhood, DEP 2001 - Child Development, EEC 2521 - Childcare Management                                       | Early Childhood Education          | Education and Training                   | 60 credit hours                    |
| Pensacola State College | ETAIN008                          | Associate Certified Electronics Technician (CETa)                               | 3                                                           | 3                                                                       | 1615030301             | EET 1084C - Electronics Overview                                                                                                                | Electronics Engineering Technology | Manufacturing                            | 68 credit hours                    |
| Pensacola State College | ETAIN008                          | Associate Certified Electronics Technician (CETa)                               | 3                                                           | 3                                                                       | 1615000001             | EET 1084 - Electronics Overview                                                                                                                 | Engineering Technology             | Manufacturing                            | 60 credit hours                    |
| Pensacola State College | ETAIN012                          | Photonics Technician-Operator (PTO)                                             | 3                                                           | 3                                                                       | 1615030301             | EET 1084C - Electronics Overview                                                                                                                | Electronics Engineering Technology | Manufacturing                            | 68 credit hours                    |
| Pensacola State College | ETAIN013                          | Photonics Technician Specialist (PTS)                                           | 3                                                           | 3                                                                       | 1615030301             | EET 1084C - Electronics Overview                                                                                                                | Electronics Engineering Technology | Manufacturing                            | 68 credit hours                    |
| Pensacola State College | ETAIN014                          | Photovoltaic Installer (PVI) - Level 1                                          | 3                                                           | 3                                                                       | 1615030301             | EET 1084C - Electronics Overview                                                                                                                | Electronics Engineering Technology | Manufacturing                            | 68 credit hours                    |
| Pensacola State College | ETAIN022                          | Specialist in Precision Optics (SPO)                                            | 3                                                           | 3                                                                       | 1615030301             | EET 1084C - Electronics Overview                                                                                                                | Electronics Engineering Technology | Manufacturing                            | 68 credit hours                    |
| Pensacola State College | ETAIN023                          | Technician in Precision Optics (TPO)                                            | 3                                                           | 3                                                                       | 1615030301             | EET 1084C - Electronics Overview                                                                                                                | Electronics Engineering Technology | Manufacturing                            | 68 credit hours                    |
| Pensacola State College | FDMQA001                          | Basic X-Ray Machine Operator                                                    | 3                                                           |                                                                         | 1351091100             | RTE 1000 - Introduction to Radiologic Technology                                                                                                | Radiography                        | Health Science                           | 77 credit hours                    |
| Pensacola State College | FDMQA030                          | 911 Public Safety Telecommunicator                                              | 3                                                           | 3                                                                       | 1743010302             | CCJ 1020 - Introduction to the Criminal Justice System                                                                                          | Criminal Justice Technology        | Law, Public Safety & Security            | 60 credit hours                    |
| Pensacola State College | FLDLE002                          | Correctional Officer                                                            | 6                                                           | 6                                                                       | 1743010302             | CGC 1000 - Theory and Practices of Corrections, CJC 2162 - Probation and Parole                                                                 | Criminal Justice Technology        | Law, Public Safety & Security            | 60 credit hours                    |
| Pensacola State College | FLDLE003                          | Correctional Probation Officer                                                  | 6                                                           | 6                                                                       | 1743010302             | CGC 1000 - Theory and Practices of Corrections, CJC 2162 - Probation and Parole                                                                 | Criminal Justice Technology        | Law, Public Safety & Security            | 60 credit hours                    |
| Pensacola State College | FLDLE004                          | Law Enforcement Officer                                                         | 12                                                          | 12                                                                      | 1743010302             | CCJ 1020 - Introduction to the Criminal Justice System, CJE 1500 Police Operations, CJE 1600 - Criminal Investigations, CJL 1100 - Criminal Law | Criminal Justice Technology        | Law, Public Safety & Security            | 60 credit hours                    |
| Pensacola State College | FLDOE004                          | Florida Teacher Certification Examinations (FTCE) - Professional Education Test | 3                                                           | 3                                                                       | 1413121004             | EEC 1100 - Introduction to Early Childhood                                                                                                      | Early Childhood Education          | Education and Training                   | 60 credit hours                    |
| Pensacola State College | FLVMA002                          | Certified Veterinary Assistant (CVA)                                            | 3                                                           | 3                                                                       | 1301830100             | ATE 1311 - Veterinary Office Procedures and Terminology                                                                                         | Veterinary Technology              | Agriculture, Food, and Natural Resources | 73 credit hours                    |
| Pensacola State College | GLIAC008                          | GIAC Penetration Tester (GPEN)                                                  | 3                                                           | 3                                                                       | 1511100308             | CTS 2318 - Information Security Management                                                                                                      | Cybersecurity                      | Information Technology                   | 60 credit hours                    |
| Pensacola State College | GLIAC009                          | GIAC Certified Incident Handler (GCIH)                                          | 3                                                           | 3                                                                       | 1511100308             | CTS 2149 - Fundamentals of Project Management                                                                                                   | Cybersecurity                      | Information Technology                   | 60 credit hours                    |
| Pensacola State College | ICOEC005                          | EC-Council Cyber Forensics Associate                                            | 3                                                           | 3                                                                       | 1511100308             | CIS 1350C - Security Awareness                                                                                                                  | Cybersecurity                      | Information Technology                   | 60 credit hours                    |
| Pensacola State College | ICOEC006                          | EC-Council Ethical Hacker Associate                                             | 3                                                           | 3                                                                       | 1511100308             | CIS 1350C - Security Awareness                                                                                                                  | Cybersecurity                      | Information Technology                   | 60 credit hours                    |
| Pensacola State College | ICOEC010                          | EC-Council Digital Forensics Essentials (DFE)                                   | 3                                                           | 3                                                                       | 1511100308             | CIS 1350C - Security Awareness                                                                                                                  | Cybersecurity                      | Information Technology                   | 60 credit hours                    |
| Pensacola State College | ICOEC011                          | EC-Council Ethical Hacking Essentials (EHE)                                     | 3                                                           | 3                                                                       | 1511100308             | CIS 1350C - Security Awareness                                                                                                                  | Cybersecurity                      | Information Technology                   | 60 credit hours                    |
| Pensacola State College | INTUT001                          | Quickbooks Certified User                                                       | 3                                                           | 3                                                                       | 1552030201             | ACG 2002 - Computerized Accounting                                                                                                              | Accounting Technology              | Business Management and Administration   | 60 credit hours                    |

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|-------------------------|-----------------------------|------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------------------------------------------------------|------------------------------------------------|----------------------------------------|---------------------------------|
| Pensacola State College | INTUT001                    | Quickbooks Certified User                                                          | 3                                               | 3                                                           | 1552020102          | ACG 2001 - Accounting I                                             | Business Administration                        | Business Management and Administration | 60 credit hours                 |
| Pensacola State College | INTUT002                    | Entrepreneurship & Small Business                                                  | 3                                               | 3                                                           | 1552020102          | ENT 1000 - Introduction to Entrepreneurship                         | Business Administration                        | Business Management and Administration | 60 credit hours                 |
| Pensacola State College | INTUT003                    | Master Entrepreneurship Certification                                              | 3                                               | 3                                                           | 1552020102          | ENT 2942 - Entrepreneurship Practicum                               | Business Administration                        | Business Management and Administration | 60 credit hours                 |
| Pensacola State College | INTUT004                    | Intuit Certified Bookkeeping Professional                                          | 3                                               | 3                                                           | 1552030201          | ACG 2001 - Accounting I                                             | Accounting Technology                          | Business Management and Administration | 60 credit hours                 |
| Pensacola State College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification                         | 3                                               | 3                                                           | 1615030301          | EET 1084C - Electronics Overview                                    | Electronics Engineering Technology             | Manufacturing                          | 68 credit hours                 |
| Pensacola State College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification                         | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design (3 credits)         | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Pensacola State College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                             | 3                                               | 3                                                           | 1615030301          | EET 1084C - Electronics Overview                                    | Electronics Engineering Technology             | Manufacturing                          | 68 credit hours                 |
| Pensacola State College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                             | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design (3 credits)         | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Pensacola State College | ISOGR007                    | TOSA® Autodesk AutoCAD Certified User - Expert (Postsecondary)                     | 3                                               | 3                                                           | 1604090100          | ETI 1931L - Special Topics in Mechanical Design (3 credits)         | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                 |
| Pensacola State College | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                       | 3                                               | 3                                                           | 1611080300          | ART 1201 - Two Dimensional Design                                   | Graphics Technology                            | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Pensacola State College | ISOGR010                    | TOSA® JavaScript Certified User – Expert Level (Postsecondary)                     | 3                                               | 3                                                           | 1511020101          | COP 1510 - Programming Concepts                                     | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| Pensacola State College | ISOGR011                    | TOSA® Python Certified User – Expert Level (Postsecondary)                         | 3                                               | 3                                                           | 1511020101          | COP 1510 - Programming Concepts                                     | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| Pensacola State College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher) | 3                                               | 3                                                           | 1611080300          | ART 1201 - Two Dimensional Design                                   | Graphics Technology                            | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Pensacola State College | KNOWL001                    | Python Coding Specialist                                                           | 3                                               | 3                                                           | 1511020101          | COP 1510 - Programming Concepts                                     | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| Pensacola State College | KNOWL005                    | C# Coding Specialist                                                               | 3                                               | 3                                                           | 1511020101          | COP 2360 - C# Programming                                           | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| Pensacola State College | KNOWL006                    | C# Coding Apprentice                                                               | 3                                               | 3                                                           | 1511020101          | COP 2360 - C# Programming                                           | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| Pensacola State College | KNOWL007                    | .NET Coding Specialist                                                             | 3                                               | 3                                                           | 1511010307          | COP 1510 - Programming Concepts                                     | Computer Information Technology                | Information Technology                 | 60 credit hours                 |
| Pensacola State College | LINPI001                    | Linux Essentials 010                                                               | 3                                               | 3                                                           | 1511010307          | CTS 2106 - Linux                                                    | Computer Information Technology                | Information Technology                 | 60 credit hours                 |
| Pensacola State College | LINPI001                    | Linux Essentials 010                                                               | 3                                               | 3                                                           | 1511100308          | CTS 2106 - Linux                                                    | Cybersecurity                                  | Information Technology                 | 60 credit hours                 |
| Pensacola State College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                         | 6                                               | 6                                                           | 1615030301          | “EET 1084C - Electronics Overview<br>ETI 1701 - Industrial Safety “ | Electronics Engineering Technology             | Manufacturing                          | 68 credit hours                 |

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|-------------------------|-----------------------------|-----------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------|---------------------------------|
| Pensacola State College | MSSCN001                    | MSSC Certified Production Technician (CPT)                | 15                                              | 15                                                          | 1615000001          | “ETI 1110 - Introduction to Quality Assurance<br>ETI 1701 - Industry Safety<br>EET 1084C - Electronics Overview<br>ETI 1420 - Manufacturing Processes & Materials<br>ETM 1010 - Mechanical Measurement & Instrumentation” | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| Pensacola State College | NAOLA002                    | Certified Paralegal/Certified Legal Assistant (CP/CLA)    | 3                                               | 3                                                           | 1722030200          | PLA 1003 - The Legal Profession                                                                                                                                                                                           | Paralegal Studies (Legal Assisting)            | Law, Public Safety & Security   | 64 credit hours                 |
| Pensacola State College | NATHA009                    | Certified Clinical Medical Assistant (CCMA)               | 3                                               | 3                                                           | 1351070101          | HSC 1531 -Medical Terminology                                                                                                                                                                                             | Health Services Management                     | Health Science                  | 60 credit hours                 |
| Pensacola State College | NATHA010                    | Certified Pharmacy Technician (CPhT)                      | 9                                               | 9                                                           | 1351080502          | PTN 1001 - Introduction to Pharmacy, PTN 1017 - Pharmacy Technician Calculations, HSC 1531 - Medical Terminology                                                                                                          | Pharmacy Management                            | Health Science                  | 70 credit hours                 |
| Pensacola State College | NCCER008                    | NCCER Construction Technology (Secondary)                 | 3                                               | 3                                                           | 1604090100          | BCN 1001                                                                                                                                                                                                                  | Architectural Design & Construction Technology | Architecture & Construction     | 66 credit hours                 |
| Pensacola State College | NCCER266                    | NCCER Industrial Maintenance Mechanic Level 4             | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design (3 credits)                                                                                                                                                               | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| Pensacola State College | NCDLT001                    | Certified Dental Technician                               | 3                                               |                                                             | 1351060200          | DES 1100C - Dental Materials                                                                                                                                                                                              | Dental Hygiene                                 | Health Science                  | 88 credit hours                 |
| Pensacola State College | NCFCT008                    | National Certified Patient Care Technician (NCPCT)        | 3                                               | 3                                                           | 1351070101          | HSC 1531 -Medical Terminology                                                                                                                                                                                             | Health Services Management                     | Health Science                  | 60 credit hours                 |
| Pensacola State College | NCSBN002                    | National Licensed Practical Nurse (NCLEX-PN)              | 10                                              | 10                                                          | 1351380100          | NUR 1020C - Introduction to Nursing (8 credits), NUR 2240C - Maternal Child Nursing (2 credits)                                                                                                                           | Nursing R.N.                                   | Health Science                  | 60 credit hours                 |
| Pensacola State College | NIFMS001                    | NIMS Machining - CNC Mill Programming Setup & Operations  | 1                                               | 1                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design OR ETD 2340 - Computer Drafting                                                                                                                                           | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| Pensacola State College | NIFMS002                    | NIMS Machining - CNC Lathe Programming Setup & Operations | 1                                               | 1                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design OR ETD 2340 - Computer Drafting                                                                                                                                           | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| Pensacola State College | NIFMS012                    | NIMS Machining Level II - Grinding Skills II              | 2                                               | 2                                                           | 1615000001          | ETI 1420 - Manufacturing Processes & Materials                                                                                                                                                                            | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| Pensacola State College | NRAEF003                    | Certified Food Protection Manager (ServSafe®)             | 3                                               | 3                                                           | 1612050401          | HFT 2212 - Food Service Sanitation and Safety                                                                                                                                                                             | Culinary Management                            | Hospitality & Tourism           | 60 credit hours                 |
| Pensacola State College | NREMT001                    | Emergency Medical Technician (EMT)                        | 9                                               |                                                             | 1351090402          | EMS 1119 - Emergency Medical Technician                                                                                                                                                                                   | Emergency Medical Services                     | Health Science                  | 73 credit hours                 |
| Pensacola State College | NRFSP001                    | Certified Food Safety Manager                             | 2                                               | 2                                                           | 1612050401          | HFT 2212 - Food Service Sanitation and Safety                                                                                                                                                                             | Culinary Management                            | Hospitality & Tourism           | 60 credit hours                 |
| Pensacola State College | OEDGP001                    | PCAP – Certified Associate in Python Programming          | 3                                               |                                                             | 1511020101          | COP 1510 - Programming Concepts                                                                                                                                                                                           | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| Pensacola State College | ORACL004                    | Oracle Foundations Associate, Java                        | 3                                               | 3                                                           | 1511010307          | COP 1510 - Programming Concepts                                                                                                                                                                                           | Computer Information Technology                | Information Technology          | 60 credit hours                 |
| Pensacola State College | ORACL004                    | Oracle Foundations Associate, Java                        | 3                                               |                                                             | 1511020101          | COP 2800 - Java Programming                                                                                                                                                                                               | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| Pensacola State College | PAHCO001                    | Certified Medical Manager (CMM)                           | 3                                               | 3                                                           | 1351070700          | HIM 1000C - Introduction to Health Information Technology                                                                                                                                                                 | Health Information Technology                  | Health Science                  | 70 credit hours                 |
| Pensacola State College | PAHCO001                    | Certified Medical Manager (CMM)                           | 3                                               | 3                                                           | 1351070101          | HIM 1000C - Introduction to Health Information Technology                                                                                                                                                                 | Health Services Management                     | Health Science                  | 60 credit hours                 |
| Pensacola State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist   | 3                                               | 3                                                           | 1511010307          | CGS 1061 - Introduction to Computers in Technology                                                                                                                                                                        | Computer Information Technology                | Information Technology          | 60 credit hours                 |
| Pensacola State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist   | 3                                               | 3                                                           | 1511020101          | CGS 1061 - Introduction to Computers in Technology                                                                                                                                                                        | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |

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|------------------------------|-----------------------------|------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|---------------------------------|
| Pensacola State College      | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               | 3                                                           | 1511010307          | CGS 1061 - Introduction to Computers in Technology                                                               | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Pensacola State College      | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               | 3                                                           | 1511020101          | CGS 1061 - Introduction to Computers in Technology                                                               | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Pensacola State College      | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                | 3                                               | 3                                                           | 1511010307          | CGS 1061 - Introduction to Computers in Technology                                                               | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Pensacola State College      | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                | 3                                               | 3                                                           | 1511020101          | CGS 1061 - Introduction to Computers in Technology                                                               | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Pensacola State College      | PROSO032                    | Certified Internet Web (CIW) User Interface Designer                         | 3                                               | 3                                                           | 1511020101          | CGS 1061 - Introduction to Computers in Technology                                                               | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Pensacola State College      | PTCBD001                    | Certified Pharmacy Technician (CPhT)                                         | 9                                               | 9                                                           | 1351080502          | PTN 1001 - Introduction to Pharmacy, PTN 1017 - Pharmacy Technician Calculations, HSC 1531 - Medical Terminology | Pharmacy Management                 | Health Science                         | 70 credit hours                 |
| Pensacola State College      | SCHRM001                    | SHRM-CP                                                                      | 3                                               | 3                                                           | 1552020102          | MNA 1300 - Human Resource Management                                                                             | Business Administration             | Business Management and Administration | 60 credit hours                 |
| Pensacola State College      | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations              | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design (3 credits)                                                      | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Pensacola State College      | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations              | 3                                               | 3                                                           | 1615030301          | EET 1084C - Electronics Overview                                                                                 | Electronics Engineering Technology  | Manufacturing                          | 68 credit hours                 |
| Pensacola State College      | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations         | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design (3 credits)                                                      | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Pensacola State College      | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations         | 3                                               | 3                                                           | 1615030301          | EET 1084C - Electronics Overview                                                                                 | Electronics Engineering Technology  | Manufacturing                          | 68 credit hours                 |
| Pensacola State College      | SMACA011                    | C-104 Certified Industry 4.0 Associate IV - IIoT Networking & Data Analytics | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design (3 credits)                                                      | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Pensacola State College      | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)                   | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design OR ETD 2340 - Computer Drafting                                  | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Pensacola State College      | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)                | 3                                               | 3                                                           | 1615000001          | ETI 1931L - Special Topics in Mechanical Design OR ETD 2340 - Computer Drafting                                  | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Pensacola State College      | TAFLP001                    | Accredited Legal Professional (ALP)                                          | 3                                               | 3                                                           | 1722030200          | PLA 1003 - The Legal Profession                                                                                  | Paralegal Studies (Legal Assisting) | Law, Public Safety & Security          | 64 credit hours                 |
| Pasco Hernando State College | ACFAT001                    | Accredited Business Accountant (ABA)                                         | 3                                               |                                                             | 1552030201          |                                                                                                                  | Accounting Technology               | Business Management and Administration | 60 credit hours                 |
| Pasco Hernando State College | ADESK002                    | Autodesk Certified User - AutoCAD                                            | 3                                               |                                                             | 1615130202          | ETD2320 - Computer Aided Drafting I                                                                              | Computer-Aided Drafting and Design  | Architecture & Construction            | 60 credit hours                 |
| Pasco Hernando State College | ADESK008                    | Autodesk Certified User - Revit                                              | 3                                               |                                                             | 1615130202          |                                                                                                                  | Computer-Aided Drafting and Design  | Architecture & Construction            | 60 credit hours                 |
| Pasco Hernando State College | ADESK011                    | Autodesk Certified User - Inventor                                           | 3                                               |                                                             | 1615000001          |                                                                                                                  | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Pasco Hernando State College | ADESK021                    | Autodesk Certified Professional - AutoCAD for Design and Drafting            | 3                                               |                                                             | 1615130202          | ETD2320 - Computer Aided Drafting I, ETD2340 - Computer Aided Drafting II                                        | Computer-Aided Drafting and Design  | Architecture & Construction            | 60 credit hours                 |
| Pasco Hernando State College | ADESK024                    | Autodesk Certified Professional - Inventor                                   | 3                                               |                                                             | 1615000001          |                                                                                                                  | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Pasco Hernando State College | ADESK032                    | Autodesk Certified User - Fusion 360                                         | 3                                               |                                                             | 1615000001          |                                                                                                                  | Engineering Technology              | Manufacturing                          | 60 credit hours                 |

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|------------------------------|-----------------------------|--------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|------------------------------------|------------------------------------|----------------------------------------|---------------------------------|
| Pasco Hernando State College | ADESK033                    | Autodesk Certified Associate in CAD for Mechanical Design                | 3                                               |                                                             | 1615000001          |                                    | Engineering Technology             | Manufacturing                          | 60 credit hours                 |
| Pasco Hernando State College | ADESK035                    | Autodesk Certified Associate in CAM for Turning                          | 3                                               |                                                             | 1615000001          |                                    | Engineering Technology             | Manufacturing                          | 60 credit hours                 |
| Pasco Hernando State College | ADESK038                    | Autodesk Certified Professional in CAM for 3 Axis Milling                | 3                                               |                                                             | 1615000001          |                                    | Engineering Technology             | Manufacturing                          | 60 credit hours                 |
| Pasco Hernando State College | ADESK039                    | Autodesk Certified Professional in Design for Manufacturing              | 3                                               |                                                             | 1615000001          |                                    | Engineering Technology             | Manufacturing                          | 60 credit hours                 |
| Pasco Hernando State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis | 3                                               |                                                             | 1615130202          |                                    | Computer-Aided Drafting and Design | Architecture & Construction            | 60 credit hours                 |
| Pasco Hernando State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis | 3                                               |                                                             | 1615000001          |                                    | Engineering Technology             | Manufacturing                          | 60 credit hours                 |
| Pasco Hernando State College | AIOPB001                    | Certified Bookkeeper                                                     | 3                                               |                                                             | 1552030201          |                                    | Accounting Technology              | Business Management and Administration | 60 credit hours                 |
| Pasco Hernando State College | APPLE002                    | Apple Certified Technical Coordinator                                    | 2                                               |                                                             | 1511100112          |                                    | Network Systems Technology         | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | APPLE019                    | Apple Certified Support Professional                                     | 2                                               |                                                             | 1511100112          |                                    | Network Systems Technology         | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | APPLE021                    | Apple App Development with Swift Certified User                          | 3                                               |                                                             | 1511020101          |                                    | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | APPLE022                    | Apple App Development with Swift Associate                               | 3                                               |                                                             | 1511020101          |                                    | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | CERTI003                    | Information Technology Specialist (ITS) - Databases                      | 3                                               |                                                             | 1511020101          |                                    | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                     | 3                                               |                                                             | 1511020101          |                                    | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | CERTI012                    | Information Technology Specialist (ITS) - Python                         | 3                                               |                                                             | 1511020101          |                                    | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | CERTI013                    | Information Technology Specialist (ITS) – Java                           | 3                                               |                                                             | 1511020101          |                                    | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                | 3                                               |                                                             | 1511100112          |                                    | Network Systems Technology         | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                 | 3                                               |                                                             | 1511100307          |                                    | IT Security                        | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                 | 6                                               |                                                             | 1511100112          |                                    | Network Systems Technology         | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                  | 3                                               |                                                             | 1511100112          |                                    | Network Systems Technology         | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                  | 3                                               |                                                             | 1511100307          |                                    | IT Security                        | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | COMPT005                    | CompTIA Linux+                                                           | 3                                               |                                                             | 1511020101          |                                    | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | COMPT007                    | CompTIA Project+                                                         | 3                                               |                                                             | 1511100112          | CIS2520 - Project Management in IT | Network Systems Technology         | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | COMPT008                    | CompTIA Security+                                                        | 3                                               |                                                             | 1552120107          |                                    | E-Business Technology              | Information Technology                 | 60 credit hours                 |

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|------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|-----------------------|-------------------------------------|------------------------------------------|------------------------------------|
| Pasco Hernando State College | COMPT008                          | CompTIA Security+                                                                                | 3                                                           |                                                                         | 1511100307             |                       | IT Security                         | Information Technology                   | 60 credit hours                    |
| Pasco Hernando State College | COMPT009                          | CompTIA Server+                                                                                  | 3                                                           |                                                                         | 1511100112             |                       | Network Systems Technology          | Information Technology                   | 60 credit hours                    |
| Pasco Hernando State College | COMPT018                          | CompTIA Tech+                                                                                    | 3                                                           |                                                                         | 1511020101             |                       | Computer Programming and Analysis   | Information Technology                   | 60 credit hours                    |
| Pasco Hernando State College | COMPT018                          | CompTIA Tech+                                                                                    | 3                                                           |                                                                         | 1511100112             |                       | Network Systems Technology          | Information Technology                   | 60 credit hours                    |
| Pasco Hernando State College | DANBD002                          | Certified Orthodontic Assistant                                                                  | 3                                                           |                                                                         | 1351060200             |                       | Dental Hygiene                      | Health Science                           | 88 credit hours                    |
| Pasco Hernando State College | ETAIN008                          | Associate Certified Electronics Technician (CETa)                                                | 3                                                           |                                                                         | 1615000001             |                       | Engineering Technology              | Manufacturing                            | 60 credit hours                    |
| Pasco Hernando State College | FDMQA001                          | Basic X-Ray Machine Operator                                                                     | 3                                                           |                                                                         | 1351091100             |                       | Radiography                         | Health Science                           | 77 credit hours                    |
| Pasco Hernando State College | FDMQA030                          | 911 Public Safety Telecommunicator                                                               | 3                                                           |                                                                         | 1743010302             |                       | Criminal Justice Technology         | Law, Public Safety & Security            | 60 credit hours                    |
| Pasco Hernando State College | FEDAA004 and FEDAA010             | FAA Aviation Mechanic Technician - Airframe and FAA Aviation Maintenance Technician - Powerplant | 24                                                          |                                                                         | 1647060700             |                       | Aviation Maintenance Administration | Transportation, Distribution & Logistics | 60 credit hours                    |
| Pasco Hernando State College | FEDAA013                          | FAA Ground School                                                                                | 3                                                           |                                                                         | 1615080102             |                       | Unmanned Vehicle Systems Operations | Transportation, Distribution & Logistics | 62 credit hours                    |
| Pasco Hernando State College | FEDAA022                          | FAA Aircraft Dispatcher Certification (14 CFR Part 65)                                           | 3                                                           |                                                                         | 1649010403             |                       | Aviation Administration             | Transportation, Distribution & Logistics | 60 credit hours                    |
| Pasco Hernando State College | FLDLE002                          | Correctional Officer                                                                             | 6                                                           |                                                                         | 1743010302             |                       | Criminal Justice Technology         | Law, Public Safety & Security            | 60 credit hours                    |
| Pasco Hernando State College | FLDLE003                          | Correctional Probation Officer                                                                   | 6                                                           |                                                                         | 1743010302             |                       | Criminal Justice Technology         | Law, Public Safety & Security            | 60 credit hours                    |
| Pasco Hernando State College | FLDLE004                          | Law Enforcement Officer                                                                          | 12                                                          |                                                                         | 1743010302             |                       | Criminal Justice Technology         | Law, Public Safety & Security            | 60 credit hours                    |
| Pasco Hernando State College | FLSFM006                          | Fire Fighter II                                                                                  | 3                                                           |                                                                         | 1743020112             |                       | Fire Science Technology             | Law, Public Safety & Security            | 60 credit hours                    |
| Pasco Hernando State College | FLSFM007                          | Fire Safety Inspector I                                                                          | 12                                                          |                                                                         | 1743020112             |                       | Fire Science Technology             | Law, Public Safety & Security            | 60 credit hours                    |
| Pasco Hernando State College | FLSFM013                          | Fire Officer I                                                                                   | 12                                                          |                                                                         | 1743020112             |                       | Fire Science Technology             | Law, Public Safety & Security            | 60 credit hours                    |
| Pasco Hernando State College | FLSFM014                          | Fire Officer II                                                                                  | 15                                                          |                                                                         | 1743020112             |                       | Fire Science Technology             | Law, Public Safety & Security            | 60 credit hours                    |
| Pasco Hernando State College | GLIAC009                          | GIAC Certified Incident Handler (GCIH)                                                           | 3                                                           |                                                                         | 1511100307             |                       | IT Security                         | Information Technology                   | 60 credit hours                    |
| Pasco Hernando State College | GRBCI002                          | LEED Green Associate                                                                             | 3                                                           |                                                                         | 1615130202             |                       | Computer-Aided Drafting and Design  | Architecture & Construction              | 60 credit hours                    |
| Pasco Hernando State College | ICOEC006                          | EC-Council Ethical Hacker Associate                                                              | 3                                                           |                                                                         | 1511100307             |                       | IT Security                         | Information Technology                   | 60 credit hours                    |
| Pasco Hernando State College | ICOEC006                          | EC-Council Ethical Hacker Associate                                                              | 3                                                           |                                                                         | 1511100112             |                       | Network Systems Technology          | Information Technology                   | 60 credit hours                    |
| Pasco Hernando State College | INTUT001                          | Quickbooks Certified User                                                                        | 3                                                           |                                                                         | 1552030201             |                       | Accounting Technology               | Business Management and Administration   | 60 credit hours                    |
| Pasco Hernando State College | INTUT001                          | Quickbooks Certified User                                                                        | 3                                                           |                                                                         | 1552020102             |                       | Business Administration             | Business Management and Administration   | 60 credit hours                    |

| INSTITUTION                  | INDUSTRY<br>CERTIFICATION<br>CODE | INDUSTRY CERTIFICATION TITLE                                                                                                                        | NUMBER<br>OF CREDITS<br>ARTICULATED<br>PER GOLD<br>STANDARD | NUMBER<br>OF CREDITS<br>ARTICULATED BY<br>INSTITUTION/<br>CAREER CENTER | 10-DIGIT CIP<br>NUMBER | COLLEGE CREDIT COURSE                                    | ASSOCIATE DEGREE<br>PROGRAM                | ASSOCIATE DEGREE<br>CAREER CLUSTER     | ASSOCIATE DEGREE<br>PROGRAM LENGTH |
|------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|----------------------------------------------------------|--------------------------------------------|----------------------------------------|------------------------------------|
| Pasco Hernando State College | INTUT002                          | Entrepreneurship & Small Business                                                                                                                   | 3                                                           |                                                                         | 1552020102             |                                                          | Business Administration                    | Business Management and Administration | 60 credit hours                    |
| Pasco Hernando State College | INTUT003                          | Master Entrepreneurship Certification                                                                                                               | 3                                                           |                                                                         | 1552020102             |                                                          | Business Administration                    | Business Management and Administration | 60 credit hours                    |
| Pasco Hernando State College | INTUT004                          | Intuit Certified Bookkeeping Professional                                                                                                           | 3                                                           |                                                                         | 1552030201             |                                                          | Accounting Technology                      | Business Management and Administration | 60 credit hours                    |
| Pasco Hernando State College | IPCEI002                          | Certified IPC Specialist (CIS) IPC J-STD-001 Certification                                                                                          | 3                                                           |                                                                         | 1615000001             |                                                          | Engineering Technology                     | Manufacturing                          | 60 credit hours                    |
| Pasco Hernando State College | IPCEI003                          | Certified IPC Specialist (CIS) IPC-A-610 Certification                                                                                              | 3                                                           |                                                                         | 1615000001             |                                                          | Engineering Technology                     | Manufacturing                          | 60 credit hours                    |
| Pasco Hernando State College | ISOGR008                          | TOSA® Graphics Certified User – Expert Level (Postsecondary)                                                                                        | 3                                                           |                                                                         | 1611080103             |                                                          | Digital Media/<br>Multimedia<br>Technology | Arts, A/V Technology & Communication   | 60 credit hours                    |
| Pasco Hernando State College | ISOGR010                          | TOSA® JavaScript Certified User – Expert Level (Postsecondary)                                                                                      | 3                                                           |                                                                         | 1511020101             |                                                          | Computer Programming and Analysis          | Information Technology                 | 60 credit hours                    |
| Pasco Hernando State College | ISOGR011                          | TOSA® Python Certified User – Expert Level (Postsecondary)                                                                                          | 3                                                           |                                                                         | 1511020101             |                                                          | Computer Programming and Analysis          | Information Technology                 | 60 credit hours                    |
| Pasco Hernando State College | ISOGR012                          | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher)                                                                  | 3                                                           |                                                                         | 1611080103             |                                                          | Digital Media/<br>Multimedia<br>Technology | Arts, A/V Technology & Communication   | 60 credit hours                    |
| Pasco Hernando State College | KNOWL001                          | Python Coding Specialist                                                                                                                            | 3                                                           |                                                                         | 1511020101             | COP 1000 - Introduction to Computer Programming - Python | Computer Programming and Analysis          | Information Technology                 | 60 credit hours                    |
| Pasco Hernando State College | KNOWL005                          | C# Coding Specialist                                                                                                                                | 3                                                           |                                                                         | 1511020101             |                                                          | Computer Programming and Analysis          | Information Technology                 | 60 credit hours                    |
| Pasco Hernando State College | KNOWL006                          | C# Coding Apprentice                                                                                                                                | 3                                                           |                                                                         | 1511020101             |                                                          | Computer Programming and Analysis          | Information Technology                 | 60 credit hours                    |
| Pasco Hernando State College | LINPI001                          | Linux Essentials 010                                                                                                                                | 3                                                           |                                                                         | 1511100112             |                                                          | Network Systems Technology                 | Information Technology                 | 60 credit hours                    |
| Pasco Hernando State College | MICRO017                          | Microsoft Office Specialist Master: Microsoft Office 2016 Master Specialist (Requires Word Expert, Excel Expert, PowerPoint, and Access or Outlook) | 3                                                           |                                                                         | 1552020401             |                                                          | Office Administration                      | Business Management and Administration | 60 credit hours                    |
| Pasco Hernando State College | MSSCN001                          | MSSC Certified Production Technician (CPT)                                                                                                          | 15                                                          |                                                                         | 1615000001             |                                                          | Engineering Technology                     | Manufacturing                          | 60 credit hours                    |
| Pasco Hernando State College | NAOLA002                          | Certified Paralegal/Certified Legal Assistant (CP/CLA)                                                                                              | 3                                                           |                                                                         | 1722030200             |                                                          | Paralegal Studies (Legal Assisting)        | Law, Public Safety & Security          | 64 credit hours                    |
| Pasco Hernando State College | NCCER266                          | NCCER Industrial Maintenance Mechanic Level 4                                                                                                       | 3                                                           |                                                                         | 1615000001             |                                                          | Engineering Technology                     | Manufacturing                          | 60 credit hours                    |
| Pasco Hernando State College | NCDLT001                          | Certified Dental Technician                                                                                                                         | 3                                                           |                                                                         | 1351060200             |                                                          | Dental Hygiene                             | Health Science                         | 88 credit hours                    |
| Pasco Hernando State College | NCSBN002                          | National Licensed Practical Nurse (NCLEX-PN)                                                                                                        | 10                                                          |                                                                         | 1351380100             |                                                          | Nursing R.N.                               | Health Science                         | 60 credit hours                    |
| Pasco Hernando State College | NIFMS001                          | NIMS Machining - CNC Mill Programming Setup & Operations                                                                                            | 1                                                           |                                                                         | 1615000001             |                                                          | Engineering Technology                     | Manufacturing                          | 60 credit hours                    |
| Pasco Hernando State College | NIFMS002                          | NIMS Machining - CNC Lathe Programming Setup & Operations                                                                                           | 1                                                           |                                                                         | 1615000001             |                                                          | Engineering Technology                     | Manufacturing                          | 60 credit hours                    |
| Pasco Hernando State College | NIFMS012                          | NIMS Machining Level II - Grinding Skills II                                                                                                        | 2                                                           |                                                                         | 1615000001             |                                                          | Engineering Technology                     | Manufacturing                          | 60 credit hours                    |

| INSTITUTION                  | INDUSTRY CERTIFICATION CODE | INDUSTRY CERTIFICATION TITLE                                                                   | NUMBER OF CREDITS ARTICULATED PER GOLD STANDARD | NUMBER OF CREDITS ARTICULATED BY INSTITUTION/ CAREER CENTER | 10-DIGIT CIP NUMBER | COLLEGE CREDIT COURSE                                                                                                       | ASSOCIATE DEGREE PROGRAM            | ASSOCIATE DEGREE CAREER CLUSTER        | ASSOCIATE DEGREE PROGRAM LENGTH |
|------------------------------|-----------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|---------------------------------|
| Pasco Hernando State College | NREMT001                    | Emergency Medical Technician (EMT)                                                             | 9                                               |                                                             | 1351090402          |                                                                                                                             | Emergency Medical Services          | Health Science                         | 73 credit hours                 |
| Pasco Hernando State College | OEDGP001                    | PCAP – Certified Associate in Python Programming                                               | 3                                               |                                                             | 1511020101          |                                                                                                                             | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | ORACL004                    | Oracle Foundations Associate, Java                                                             | 3                                               |                                                             | 1511020101          |                                                                                                                             | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist                                        | 3                                               |                                                             | 1511020101          |                                                                                                                             | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                                             | 3                                               |                                                             | 1511020101          |                                                                                                                             | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                                  | 3                                               |                                                             | 1511010307          | CGS1820 - Web Page Design                                                                                                   | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                                  | 3                                               |                                                             | 1511020101          |                                                                                                                             | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | PROSO032                    | Certified Internet Web (CIW) User Interface Designer                                           | 3                                               |                                                             | 1511020101          |                                                                                                                             | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Pasco Hernando State College | SALES001                    | Salesforce Certified Administrator                                                             | 3                                               |                                                             | 1252140101          |                                                                                                                             | Marketing Management                | Marketing                              | 60 credit hours                 |
| Pasco Hernando State College | SCHRM001                    | SHRM-CP                                                                                        | 3                                               |                                                             | 1552020102          |                                                                                                                             | Business Administration             | Business Management and Administration | 60 credit hours                 |
| Pasco Hernando State College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations                                | 3                                               |                                                             | 1615000001          |                                                                                                                             | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Pasco Hernando State College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations                           | 3                                               |                                                             | 1615000001          |                                                                                                                             | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Pasco Hernando State College | SMACA011                    | C-104 Certified Industry 4.0 Associate IV - IIoT Networking & Data Analytics                   | 3                                               |                                                             | 1615000001          |                                                                                                                             | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Pasco Hernando State College | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)                                     | 3                                               |                                                             | 1615000001          |                                                                                                                             | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Pasco Hernando State College | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)                                  | 3                                               |                                                             | 1615000001          |                                                                                                                             | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Pasco Hernando State College | TAFLP001                    | Accredited Legal Professional (ALP)                                                            | 3                                               |                                                             | 1552020401          |                                                                                                                             | Office Administration               | Business Management and Administration | 60 credit hours                 |
| Pasco Hernando State College | TAFLP001                    | Accredited Legal Professional (ALP)                                                            | 3                                               |                                                             | 1722030200          | PLA2114 - Legal Research and Writing II                                                                                     | Paralegal Studies (Legal Assisting) | Law, Public Safety & Security          | 64 credit hours                 |
| Santa Fe College             | ADOBE024                    | Adobe Certified Professional in Visual Design (Requires Photoshop and Illustrator or InDesign) | 3                                               |                                                             | 1611080300          | DIG1121C - Raster Graphics                                                                                                  | Graphics Technology                 | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Santa Fe College             | AMAMA001                    | Certified Medical Assistant (CMA)                                                              | 3                                               | 17                                                          | 1351070700          | "HIM2012 - Health Law<br>HIM1440 - Path Pharmacy<br>BSC2085 - A&P 1<br>BSC2085L - A&P Lab<br>HSC2531 - Medical Terminology" | Health Information Technology       | Health Science                         | 70 credit hours                 |
| Santa Fe College             | AMAMA001                    | Certified Medical Assistant (CMA)                                                              | 3                                               |                                                             | 1351070101          | HIM2012 - Health Law                                                                                                        | Health Services Management          | Health Science                         | 60 credit hours                 |
| Santa Fe College             | AMEDT004                    | Registered Medical Assistant (RMA)                                                             | 3                                               |                                                             | 1351070101          | HSC2531 - Medical Terminology                                                                                               | Health Services Management          | Health Science                         | 60 credit hours                 |

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|------------------|-----------------------------|-------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------|---------------------------------|
| Santa Fe College | APPLE002                    | Apple Certified Technical Coordinator                                         | 2                                               |                                                             | 1511100112          | CTS1939- Special Topics                                                                   | Network Systems Technology          | Information Technology          | 60 credit hours                 |
| Santa Fe College | APPLE019                    | Apple Certified Support Professional                                          | 2                                               |                                                             | 1511100112          | CTS1939- Special Topics                                                                   | Network Systems Technology          | Information Technology          | 60 credit hours                 |
| Santa Fe College | APPLE021                    | Apple App Development with Swift Certified User                               | 3                                               |                                                             | 1511020101          | CGS1060- Computing Concepts                                                               | Computer Programming and Analysis   | Information Technology          | 60 credit hours                 |
| Santa Fe College | APPLE022                    | Apple App Development with Swift Associate                                    | 3                                               |                                                             | 1511020101          | CGS1060- Computing Concepts                                                               | Computer Programming and Analysis   | Information Technology          | 60 credit hours                 |
| Santa Fe College | CERHB001                    | Biotechnician Assistant                                                       | 3                                               | 4                                                           | 1341010100          | "BSC1421 - Introduction of Biotechnology<br>BSC1421L - Introduction to Biotechnology Lab" | Biotechnology Laboratory Technology | Health Science                  | 61 credit hours                 |
| Santa Fe College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               |                                                             | 1511010307          | CGS2540 - Database Management                                                             | Computer Information Technology     | Information Technology          | 60 credit hours                 |
| Santa Fe College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               |                                                             | 1511020101          | CGS2540 - Database Management                                                             | Computer Programming and Analysis   | Information Technology          | 60 credit hours                 |
| Santa Fe College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management | 3                                               |                                                             | 1511010307          | COP2822 - Internet Programming 1                                                          | Computer Information Technology     | Information Technology          | 60 credit hours                 |
| Santa Fe College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                          | 3                                               |                                                             | 1511010307          | COP2822 - Internet Programming 1                                                          | Computer Information Technology     | Information Technology          | 60 credit hours                 |
| Santa Fe College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                          | 3                                               |                                                             | 1511020101          | COP2822 - Internet Programming 1                                                          | Computer Programming and Analysis   | Information Technology          | 60 credit hours                 |
| Santa Fe College | CERTI012                    | Information Technology Specialist (ITS) - Python                              | 3                                               |                                                             | 1511020101          | COP2002 - Programming Logic                                                               | Computer Programming and Analysis   | Information Technology          | 60 credit hours                 |
| Santa Fe College | CERTI013                    | Information Technology Specialist (ITS) – Java                                | 3                                               |                                                             | 1511020101          | COP2552 - Object-Oriented Programming 2                                                   | Computer Programming and Analysis   | Information Technology          | 60 credit hours                 |
| Santa Fe College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                     | 3                                               |                                                             | 1511010307          | CET1600 - Networking Fundamentals                                                         | Computer Information Technology     | Information Technology          | 60 credit hours                 |
| Santa Fe College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                     | 3                                               |                                                             | 1511100112          | CET1600 - Networking Fundamentals                                                         | Network Systems Technology          | Information Technology          | 60 credit hours                 |
| Santa Fe College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                      | 3                                               | 6                                                           | 1511010307          | "CET1600 - Networking Fundamentals<br>CET1610 - Router Theory"                            | Computer Information Technology     | Information Technology          | 60 credit hours                 |
| Santa Fe College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                      | 3                                               | 6                                                           | 1511100307          | "CET1600 - Networking Fundamentals<br>CET1610 - Router Theory"                            | IT Security                         | Information Technology          | 60 credit hours                 |
| Santa Fe College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                      | 6                                               | 6                                                           | 1511100112          | "CET1600 - Networking Fundamentals<br>CET1610 - Router Theory"                            | Network Systems Technology          | Information Technology          | 60 credit hours                 |
| Santa Fe College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                       | 3                                               | 6                                                           | 1511100112          | "CET1600 - Networking Fundamentals<br>CET1610 - Router Theory"                            | Network Systems Technology          | Information Technology          | 60 credit hours                 |
| Santa Fe College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                       | 3                                               | 6                                                           | 1511100307          | "CET1600 - Networking Fundamentals<br>CET1610 - Router Theory"                            | IT Security                         | Information Technology          | 60 credit hours                 |
| Santa Fe College | CISCO029                    | Cisco Certified Support Technician (CCST) Networking                          | 3                                               | 6                                                           | 1511010307          | "CET1600 - Networking Fundamentals<br>CET1610 - Router Theory"                            | Computer Information Technology     | Information Technology          | 60 credit hours                 |

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|------------------|-----------------------------|---------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|---------------------------------|
| Santa Fe College | COMPT005                    | CompTIA Linux+                                                                  | 3                                               | 6                                                           | 1511020101          | “CTS2321- Linux Admin 1<br>CTS2322 - Linux Admin 2”                                                                          | Computer Programming and Analysis    | Information Technology               | 60 credit hours                 |
| Santa Fe College | COMPT007                    | CompTIA Project+                                                                | 3                                               |                                                             | 1511100112          | CTS2142 - Project Management                                                                                                 | Network Systems Technology           | Information Technology               | 60 credit hours                 |
| Santa Fe College | COMPT008                    | CompTIA Security+                                                               | 3                                               | 6                                                           | 1511100307          | “CTS1120 - Fundamentals of Information Security<br>CET2883C - Network Security Advanced”                                     | IT Security                          | Information Technology               | 60 credit hours                 |
| Santa Fe College | COMPT009                    | CompTIA Server+                                                                 | 3                                               |                                                             | 1511010307          | CTS2328 - MS Windows Server                                                                                                  | Computer Information Technology      | Information Technology               | 60 credit hours                 |
| Santa Fe College | COMPT009                    | CompTIA Server+                                                                 | 3                                               |                                                             | 1511100112          | CTS2328 - MS Windows Server                                                                                                  | Network Systems Technology           | Information Technology               | 60 credit hours                 |
| Santa Fe College | COMPT018                    | CompTIA Tech+                                                                   | 3                                               |                                                             | 1511010307          | CGS1060- Computing Concepts                                                                                                  | Computer Information Technology      | Information Technology               | 60 credit hours                 |
| Santa Fe College | COMPT018                    | CompTIA Tech+                                                                   | 3                                               |                                                             | 1511020101          | CGS1060- Computing Concepts                                                                                                  | Computer Programming and Analysis    | Information Technology               | 60 credit hours                 |
| Santa Fe College | COMPT018                    | CompTIA Tech+                                                                   | 3                                               |                                                             | 1511100112          | CGS1060- Computing Concepts                                                                                                  | Network Systems Technology           | Information Technology               | 60 credit hours                 |
| Santa Fe College | CPREC001                    | Child Development Associate (CDA)                                               | 9                                               |                                                             | 1413121004          | “CHD1220 - Child Development<br>EEC2401 - Home and Community<br>CHD2381 - Educating the Young Thinker”                       | Early Childhood Education            | Education and Training               | 60 credit hours                 |
| Santa Fe College | DANBD002                    | Certified Orthodontic Assistant                                                 | 3                                               |                                                             | 1351060200          | DES1000C, DES1820 - Office Emergencies                                                                                       | Dental Hygiene                       | Health Science                       | 88 credit hours                 |
| Santa Fe College | ENTCP001                    | ETCP Certified Entertainment Electrician                                        | 3                                               |                                                             | 1650050202          | TPA2222 - ADV Lighting for the Stage                                                                                         | Theater and Entertainment Technology | Arts, A/V Technology & Communication | 64 credit hours                 |
| Santa Fe College | ENTCP003                    | ETCP Certified Rigger – Theatre                                                 | 3                                               |                                                             | 1650050202          | TPA2272 - Rigging for the Theater                                                                                            | Theater and Entertainment Technology | Arts, A/V Technology & Communication | 64 credit hours                 |
| Santa Fe College | FDMQA001                    | Basic X-Ray Machine Operator                                                    | 3                                               | 4                                                           | 1351091100          | RTE1503C - Radiographic Procedures 1                                                                                         | Radiography                          | Health Science                       | 77 credit hours                 |
| Santa Fe College | FDMQA030                    | 911 Public Safety Telecommunicator                                              | 3                                               |                                                             | 1743010302          | ENC2210 - Technical Communications                                                                                           | Criminal Justice Technology          | Law, Public Safety & Security        | 60 credit hours                 |
| Santa Fe College | FLDLE002                    | Correctional Officer                                                            | 6                                               |                                                             | 1743010302          | “CCJ1020 - Intro to Criminal Justice<br>CJL2100 - Criminal Law”                                                              | Criminal Justice Technology          | Law, Public Safety & Security        | 60 credit hours                 |
| Santa Fe College | FLDLE003                    | Correctional Probation Officer                                                  | 6                                               |                                                             | 1743010302          | “CCJ1020 - Intro to Criminal Justice<br>SYG2010 - Social Problems”                                                           | Criminal Justice Technology          | Law, Public Safety & Security        | 60 credit hours                 |
| Santa Fe College | FLDLE004                    | Law Enforcement Officer                                                         | 12                                              |                                                             | 1743010302          | “CCJ1020 - Intro to Criminal Justice<br>CJL2100 - Criminal Law<br>CJE1400 - Community Policing<br>CJE1300 - Patrol Function” | Criminal Justice Technology          | Law, Public Safety & Security        | 60 credit hours                 |
| Santa Fe College | FLDOE004                    | Florida Teacher Certification Examinations (FTCE) - Professional Education Test | 3                                               |                                                             | 1413121004          | EDF1005 - Introduction to Education                                                                                          | Early Childhood Education            | Education and Training               | 60 credit hours                 |
| Santa Fe College | GLIAC009                    | GIAC Certified Incident Handler (GCIH)                                          | 3                                               |                                                             | 1511100307          | CIS2352- Ethical Hacking                                                                                                     | IT Security                          | Information Technology               | 60 credit hours                 |
| Santa Fe College | GRBCI002                    | LEED Green Associate                                                            | 3                                               | 9                                                           | 1646041201          | “BCN1210 - Construction Materials<br>BCN2560 - Related Trades<br>BCN1760- Construction Codes”                                | Construction Management Technology   | Architecture & Construction          | 60 credit hours                 |
| Santa Fe College | ICOEC006                    | EC-Council Ethical Hacker Associate                                             | 3                                               |                                                             | 1511100307          | CIS2352- Ethical Hacking                                                                                                     | IT Security                          | Information Technology               | 60 credit hours                 |
| Santa Fe College | ICOEC006                    | EC-Council Ethical Hacker Associate                                             | 3                                               |                                                             | 1511100112          | CIS2352- Ethical Hacking                                                                                                     | Network Systems Technology           | Information Technology               | 60 credit hours                 |

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|------------------|-----------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|------------------------------------------------------|--------------------------------------------|----------------------------------------------|------------------------------------|
| Santa Fe College | INTUT001                          | Quickbooks Certified User                                                             | 3                                                           |                                                                         | 1552030201             | ACG2453 - Accounting Software Applications           | Accounting<br>Technology                   | Business<br>Management and<br>Administration | 60 credit hours                    |
| Santa Fe College | INTUT001                          | Quickbooks Certified User                                                             | 3                                                           |                                                                         | 1552020102             | ACG2453 - Accounting Software Applications           | Business<br>Administration                 | Business<br>Management and<br>Administration | 60 credit hours                    |
| Santa Fe College | INTUT002                          | Entrepreneurship & Small Business                                                     | 3                                                           |                                                                         | 1552020102             | SBM2000 - Entrepreneurship                           | Business<br>Administration                 | Business<br>Management and<br>Administration | 60 credit hours                    |
| Santa Fe College | INTUT003                          | Master Entrepreneurship Certification                                                 | 3                                                           |                                                                         | 1552020102             | SBM2000 - Entrepreneurship                           | Business<br>Administration                 | Business<br>Management and<br>Administration | 60 credit hours                    |
| Santa Fe College | INTUT004                          | Intuit Certified Bookkeeping Professional                                             | 3                                                           |                                                                         | 1552030201             | ACG2001 - Accounting 1 Principles                    | Accounting<br>Technology                   | Business<br>Management and<br>Administration | 60 credit hours                    |
| Santa Fe College | ISOGR008                          | TOSA® Graphics Certified User – Expert Level<br>(Postsecondary)                       | 3                                                           |                                                                         | 1611080103             | GRA1150C - Raster Graphics                           | Digital Media/<br>Multimedia<br>Technology | Arts, A/V Technology<br>& Communication      | 60 credit hours                    |
| Santa Fe College | ISOGR008                          | TOSA® Graphics Certified User – Expert Level<br>(Postsecondary)                       | 3                                                           |                                                                         | 1611080300             | GRA1108C - Visual Design                             | Graphics Technology                        | Arts, A/V Technology<br>& Communication      | 64 credit hours                    |
| Santa Fe College | ISOGR010                          | TOSA® JavaScript Certified User – Expert<br>Level (Postsecondary)                     | 3                                                           |                                                                         | 1511020101             | COP2822 - Internet Programming 1                     | Computer<br>Programming and<br>Analysis    | Information<br>Technology                    | 60 credit hours                    |
| Santa Fe College | ISOGR011                          | TOSA® Python Certified User – Expert Level<br>(Postsecondary)                         | 3                                                           |                                                                         | 1511020101             | COP2002 - Programming Logic                          | Computer<br>Programming and<br>Analysis    | Information<br>Technology                    | 60 credit hours                    |
| Santa Fe College | ISOGR012                          | TOSA® Graphics Certified User for Adobe -<br>Visual Design (Advanced Level or Higher) | 3                                                           |                                                                         | 1611080103             | GRA1150C - Raster Graphics                           | Digital Media/<br>Multimedia<br>Technology | Arts, A/V Technology<br>& Communication      | 60 credit hours                    |
| Santa Fe College | ISOGR012                          | TOSA® Graphics Certified User for Adobe -<br>Visual Design (Advanced Level or Higher) | 3                                                           |                                                                         | 1611080300             | GRA1180C - Visual Design                             | Graphics Technology                        | Arts, A/V Technology<br>& Communication      | 64 credit hours                    |
| Santa Fe College | KNOWL001                          | Python Coding Specialist                                                              | 3                                                           |                                                                         | 1511020101             | COP2002 - Programming Logic                          | Computer<br>Programming and<br>Analysis    | Information<br>Technology                    | 60 credit hours                    |
| Santa Fe College | KNOWL005                          | C# Coding Specialist                                                                  | 3                                                           |                                                                         | 1511020101             | COP2002 - Programming Logic                          | Computer<br>Programming and<br>Analysis    | Information<br>Technology                    | 60 credit hours                    |
| Santa Fe College | KNOWL006                          | C# Coding Apprentice                                                                  | 3                                                           |                                                                         | 1511020101             | COP2551 - Obj Orient PG 1                            | Computer<br>Programming and<br>Analysis    | Information<br>Technology                    | 60 credit hours                    |
| Santa Fe College | KNOWL007                          | .NET Coding Specialist                                                                | 3                                                           |                                                                         | 1511010307             | COP2551 - Obj Orient PG 1                            | Computer<br>Information<br>Technology      | Information<br>Technology                    | 60 credit hours                    |
| Santa Fe College | LINPI001                          | Linux Essentials 010                                                                  | 3                                                           |                                                                         | 1511010307             | CTS2321 - Linux Admin                                | Computer<br>Information<br>Technology      | Information<br>Technology                    | 60 credit hours                    |
| Santa Fe College | LINPI001                          | Linux Essentials 010                                                                  | 3                                                           |                                                                         | 1511100112             | CTS2321- Linux Admin                                 | Network Systems<br>Technology              | Information<br>Technology                    | 60 credit hours                    |
| Santa Fe College | NAOLA002                          | Certified Paralegal/Certified Legal Assistant<br>(CP/CLA)                             | 3                                                           |                                                                         | 1722030200             | PLA1003 - Intro to Legal Assisting                   | Paralegal Studies<br>(Legal Assisting)     | Law, Public Safety &<br>Security             | 64 credit hours                    |
| Santa Fe College | NATHA009                          | Certified Clinical Medical Assistant (CCMA)                                           | 3                                                           |                                                                         | 1351070101             | HSC2531 - Medical Terminology                        | Health Services<br>Management              | Health Science                               | 60 credit hours                    |
| Santa Fe College | NCDLT001                          | Certified Dental Technician                                                           | 3                                                           | 4                                                                       | 1351060200             | DES1100, DES1000C - Dental Materials, Dental Anatomy | Dental Hygiene                             | Health Science                               | 88 credit hours                    |
| Santa Fe College | NCFCT008                          | National Certified Patient Care Technician<br>(NCPCT)                                 | 3                                                           |                                                                         | 1351070101             | HSC2531 - Medical Terminology                        | Health Services<br>Management              | Health Science                               | 60 credit hours                    |

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|------------------|-----------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------|
| Santa Fe College | NCSBN002                          | National Licensed Practical Nurse (NCLEX-PN)                                 | 10                                                          |                                                                         | 1351380100             | "NUR2020C - Fundamentals of Nursing (NUR2210C) NUR20237 - Medical Surg Nurse 1"            | Nursing R.N.                             | Health Science                           | 60 credit hours                    |
| Santa Fe College | NIASE005                          | ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2) | 3                                                           |                                                                         | 0615080300             | AER2398 - Automotive Manual Transmissions/Drivetrains                                      | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                    |
| Santa Fe College | NIASE007                          | ASE Automobile/Light Truck Technician: Brakes (A5)                           | 3                                                           |                                                                         | 0615080300             | AER1598 - Automotive Brake Systems                                                         | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                    |
| Santa Fe College | NIASE008                          | ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)    | 3                                                           | 6                                                                       | 0615080300             | "AER1698C - Automotive Electrical Systems AER1695C- Automotive Electronics"                | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                    |
| Santa Fe College | NIASE009                          | ASE Automobile/Light Truck Technician: Engine Performance (A8)               | 3                                                           | 7                                                                       | 0615080300             | "AER2898- Automotive Engine Performance AER2840C - Automotive Driveability Diagnosis"      | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                    |
| Santa Fe College | NIASE010                          | ASE Automobile/Light Truck Technician: Engine Repair (A1)                    | 3                                                           | 4                                                                       | 0615080300             | AER1198 - Automotive Engines                                                               | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                    |
| Santa Fe College | NIASE011                          | ASE Automobile/Light Truck Technician: Heating and Air Conditioning (A7)     | 3                                                           |                                                                         | 0615080300             | AER1798C - Automotive Heating & A/C                                                        | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                    |
| Santa Fe College | NIASE012                          | ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3)     | 3                                                           |                                                                         | 0615080300             | AER1298 - Automatic Transmissions & Transaxels                                             | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                    |
| Santa Fe College | NIASE014                          | ASE Automobile/Light Truck Technician: Suspension and Steering (A4)          | 3                                                           | 4                                                                       | 0615080300             | AER1498 - Automotive Steering and Suspension                                               | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                    |
| Santa Fe College | NIASE076                          | ASE Auto Maintenance and Light Repair (G1)                                   | 3                                                           |                                                                         | 0615080300             | "AER1081C - Automotive Fundamentals (A.S.) or AER0014C - Automotive Fundamentals (C.C.C.)" | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                    |
| Santa Fe College | OEDGP001                          | PCAP – Certified Associate in Python Programming                             | 3                                                           |                                                                         | 1511020101             | COP2002 - Programming Logic                                                                | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                    |
| Santa Fe College | ORACL004                          | Oracle Foundations Associate, Java                                           | 3                                                           |                                                                         | 1511010307             | COP2552 - Object-Oriented Programming 2                                                    | Computer Information Technology          | Information Technology                   | 60 credit hours                    |
| Santa Fe College | ORACL004                          | Oracle Foundations Associate, Java                                           | 3                                                           |                                                                         | 1511020101             | COP2552 - Object-Oriented Programming 2                                                    | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                    |
| Santa Fe College | PAHCO001                          | Certified Medical Manager (CMM)                                              | 3                                                           |                                                                         | 1351070700             | MAN2300 - Human Resources                                                                  | Health Information Technology            | Health Science                           | 70 credit hours                    |
| Santa Fe College | PAHCO001                          | Certified Medical Manager (CMM)                                              | 3                                                           |                                                                         | 1351070101             | MAN2300 - Human Resources                                                                  | Health Services Management               | Health Science                           | 60 credit hours                    |
| Santa Fe College | PROSO006                          | Certified Internet Web (CIW) Database Design Specialist                      | 3                                                           |                                                                         | 1511010307             | CGS2540 - Database Management                                                              | Computer Information Technology          | Information Technology                   | 60 credit hours                    |
| Santa Fe College | PROSO006                          | Certified Internet Web (CIW) Database Design Specialist                      | 3                                                           |                                                                         | 1511020101             | CGS2540 - Database Management                                                              | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                    |
| Santa Fe College | PROSO017                          | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                                           |                                                                         | 1511010307             | COP2822 - Internet Programming 1                                                           | Computer Information Technology          | Information Technology                   | 60 credit hours                    |
| Santa Fe College | PROSO017                          | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                                           |                                                                         | 1511020101             | COP2822 - Internet Programming 1                                                           | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                    |

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|------------------------|-----------------------------|-------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------|---------------------------------|
| Santa Fe College       | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist     | 3                                               |                                                             | 1511010307          | CGS1820 - Web Auth 1                                                                                                      | Computer Information Technology      | Information Technology                 | 60 credit hours                 |
| Santa Fe College       | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist     | 3                                               |                                                             | 1511020101          | CGS1820 - Web Auth 1                                                                                                      | Computer Programming and Analysis    | Information Technology                 | 60 credit hours                 |
| Santa Fe College       | PROSO032                    | Certified Internet Web (CIW) User Interface Designer              | 3                                               |                                                             | 1511020101          | CGS1821 - Web Authorizing 2                                                                                               | Computer Programming and Analysis    | Information Technology                 | 60 credit hours                 |
| Santa Fe College       | PROSO033                    | Certified Internet Web (CIW) Multimedia Specialist                | 3                                               |                                                             | 1611080103          | GRA2710C - Survery of Digital Video                                                                                       | Digital Media/ Multimedia Technology | Arts, A/V Technology & Communication   | 60 credit hours                 |
| Santa Fe College       | SCHRM001                    | SHRM-CP                                                           | 3                                               |                                                             | 1552020102          | MAN2300 - Human Resources                                                                                                 | Business Administration              | Business Management and Administration | 60 credit hours                 |
| Santa Fe College       | TAFLP001                    | Accredited Legal Professional (ALP)                               | 3                                               |                                                             | 1552020401          | PLA1003 - Intro to Legal Assisting                                                                                        | Office Administration                | Business Management and Administration | 60 credit hours                 |
| Santa Fe College       | TAFLP001                    | Accredited Legal Professional (ALP)                               | 3                                               |                                                             | 1722030200          | PLA1003 - Intro to Legal Assisting                                                                                        | Paralegal Studies (Legal Assisting)  | Law, Public Safety & Security          | 64 credit hours                 |
| Santa Fe College       | TAFLP002                    | Professional Legal Secretary (PLS)                                | 9                                               |                                                             | 1552020401          | "OST2711 - Word Processing/Keyboarding 1<br>OST2712 - Word Processing/Keboarding 2<br>PLA1003 - Intro to Legal Assisting" | Office Administration                | Business Management and Administration | 60 credit hours                 |
| Seminole State College | ACFED006                    | Certified Fundamentals Cook                                       | 3                                               |                                                             | 1252090101          | FSS 2203C Introduction to Culinary Fundamentals                                                                           | Hospitality & Tourism Management     | Hospitality & Tourism                  | 60 credit hours                 |
| Seminole State College | ACOSM001                    | Certified Survey Technician (CST)                                 | 3                                               |                                                             | 1715020101          | BCN 2280C Surveying and Construction Layout                                                                               | Architectural Engineering Technology | Architecture & Construction            | 60 credit hours                 |
| Seminole State College | ADESK002                    | Autodesk Certified User - AutoCAD                                 | 3                                               |                                                             | 1615130202          | ETD 2930 Selected Studies in Computer-Aided Design Technologies                                                           | Computer-Aided Drafting and Design   | Architecture & Construction            | 60 credit hours                 |
| Seminole State College | ADESK008                    | Autodesk Certified User - Revit                                   | 3                                               |                                                             | 1615130202          | ETD 2390 Revit I                                                                                                          | Computer-Aided Drafting and Design   | Architecture & Construction            | 60 credit hours                 |
| Seminole State College | ADESK011                    | Autodesk Certified User - Inventor                                | 3                                               |                                                             | 1615000001          | ETD 1320C Computer-Aided Design I                                                                                         | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Seminole State College | ADESK021                    | Autodesk Certified Professional - AutoCAD for Design and Drafting | 3                                               |                                                             | 1615130202          | ETD 2930 Selected Studies in Computer-Aided Design Technologies                                                           | Computer-Aided Drafting and Design   | Architecture & Construction            | 60 credit hours                 |
| Seminole State College | ADESK023                    | Autodesk Certified Professional - AutoCAD Civil 3D                | 3                                               |                                                             | 1715020101          | ETD 1320C Computer-Aided Design I                                                                                         | Architectural Engineering Technology | Architecture & Construction            | 60 credit hours                 |
| Seminole State College | ADESK024                    | Autodesk Certified Professional - Inventor                        | 3                                               |                                                             | 1615000001          | ETD 1320C Computer-Aided Design I                                                                                         | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Seminole State College | ADESK032                    | Autodesk Certified User - Fusion 360                              | 3                                               |                                                             | 1615000001          | ETD 1320C Computer-Aided Design I                                                                                         | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Seminole State College | ADESK033                    | Autodesk Certified Associate in CAD for Mechanical Design         | 3                                               |                                                             | 1615000001          | ETD 1320C Computer-Aided Design I                                                                                         | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Seminole State College | ADESK035                    | Autodesk Certified Associate in CAM for Turning                   | 3                                               |                                                             | 1615000001          | EGN 1111C Engineering Graphics - Drawing                                                                                  | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Seminole State College | ADESK038                    | Autodesk Certified Professional in CAM for 3 Axis Milling         | 3                                               |                                                             | 1615000001          | EGN 1111C Engineering Graphics - Drawing                                                                                  | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Seminole State College | ADESK039                    | Autodesk Certified Professional in Design for Manufacturing       | 3                                               |                                                             | 1615000001          | EGN 1111C Engineering Graphics - Drawing                                                                                  | Engineering Technology               | Manufacturing                          | 60 credit hours                 |

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|------------------------|-----------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------|---------------------------------|
| Seminole State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                       | 3                                               |                                                             | 1615000001          | EGN 1111C Engineering Graphics - Drawing                                                                                                                                               | Engineering Technology                  | Manufacturing                          | 60 credit hours                 |
| Seminole State College | ADOBE024                    | Adobe Certified Professional in Visual Design (Requires Photoshop and Illustrator or InDesign) | 3                                               |                                                             | 1611080300          | GRA 1990 Elective                                                                                                                                                                      | Graphics Technology                     | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Seminole State College | AIOPB001                    | Certified Bookkeeper                                                                           | 3                                               | 6                                                           | 1552030201          | "ACG 2021 Principles of Financial Accounting<br>ACG 2100 Intermediate Accounting Fundamentals"                                                                                         | Accounting Technology                   | Business Management and Administration | 60 credit hours                 |
| Seminole State College | AMAMA001                    | Certified Medical Assistant (CMA)                                                              | 3                                               |                                                             | 1351070700          | HSC 1531 Medical Terminology                                                                                                                                                           | Health Information Technology           | Health Science                         | 70 credit hours                 |
| Seminole State College | AMAMA001                    | Certified Medical Assistant (CMA)                                                              | 3                                               | 6                                                           | 1351070101          | "HSC 1531 Medical Terminology<br>HSC 1000 Intro to Healthcare"                                                                                                                         | Health Services Management              | Health Science                         | 60 credit hours                 |
| Seminole State College | AMEDT004                    | Registered Medical Assistant (RMA)                                                             | 3                                               | 6                                                           | 1351070101          | "HSC 1531 Medical Terminology<br>HSC 1000 Intro to Healthcare"                                                                                                                         | Health Services Management              | Health Science                         | 60 credit hours                 |
| Seminole State College | APPLE019                    | Apple Certified Support Professional                                                           | 2                                               |                                                             | 1511100112          | CET 1179 Network Concepts and Operating Systems                                                                                                                                        | Information Systems Technology          | Information Technology                 | 60 credit hours                 |
| Seminole State College | APPLE020                    | Apple Certified Pro (ACP) - Final Cut Pro X                                                    | 3                                               |                                                             | 1609070213          | RTV 2930 Selected Studies in Television Production                                                                                                                                     | Digital Television and Media Production | Arts, A/V Technology & Communication   | 60 credit hours                 |
| Seminole State College | CERTI003                    | Information Technology Specialist (ITS) - Databases                                            | 3                                               |                                                             | 1511020101          | CGS 2545C Database Management                                                                                                                                                          | Computer Programming and Analysis       | Information Technology                 | 60 credit hours                 |
| Seminole State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                                           | 3                                               |                                                             | 1511020101          | COP 2831 Advanced JavaScript                                                                                                                                                           | Computer Programming and Analysis       | Information Technology                 | 60 credit hours                 |
| Seminole State College | CERTI012                    | Information Technology Specialist (ITS) - Python                                               | 3                                               |                                                             | 1511020101          | COP 2047 Python Programming                                                                                                                                                            | Computer Programming and Analysis       | Information Technology                 | 60 credit hours                 |
| Seminole State College | CERTI013                    | Information Technology Specialist (ITS) – Java                                                 | 3                                               |                                                             | 1511020101          | COP 1000 Principles of Computer Programming                                                                                                                                            | Computer Programming and Analysis       | Information Technology                 | 60 credit hours                 |
| Seminole State College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                                      | 3                                               |                                                             | 1511100112          | CTS 2145 Fundamentals of Cloud Networking and Security                                                                                                                                 | Information Systems Technology          | Information Technology                 | 60 credit hours                 |
| Seminole State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                                       | 6                                               |                                                             | 1511100112          | "CET1600C Cisco Introduction to Networks (Net+)<br>CET 1610C Cisco Router Technology "                                                                                                 | Information Systems Technology          | Information Technology                 | 60 credit hours                 |
| Seminole State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                                        | 3                                               |                                                             | 1511100112          | CET1600C Cisco Introduction to Networks (Net+)                                                                                                                                         | Information Systems Technology          | Information Technology                 | 60 credit hours                 |
| Seminole State College | COMPT007                    | CompTIA Project+                                                                               | 3                                               |                                                             | 1511100112          | CTS 2142 Information Technology Project Management                                                                                                                                     | Information Systems Technology          | Information Technology                 | 60 credit hours                 |
| Seminole State College | COMPT018                    | CompTIA Tech+                                                                                  | 3                                               |                                                             | 1511020101          | CIS 2028 Introduction to the IT Industry                                                                                                                                               | Computer Programming and Analysis       | Information Technology                 | 60 credit hours                 |
| Seminole State College | CPREC001                    | Child Development Associate (CDA)                                                              | 9                                               |                                                             | 1413121004          | "EEC 1011 professionalism in Early Childhood<br>EEC 2732 Health and Safety in Early Childhood<br>EEC 1603 Child Guidance in Early Childhood Education"                                 | Early Childhood Education               | Education and Training                 | 60 credit hours                 |
| Seminole State College | ETAIN008                    | Associate Certified Electronics Technician (CETa)                                              | 3                                               |                                                             | 1615000001          | EET 1015C Fundamentals of DC Circuits                                                                                                                                                  | Engineering Technology                  | Manufacturing                          | 60 credit hours                 |
| Seminole State College | FDMQA030                    | 911 Public Safety Telecommunicator                                                             | 3                                               |                                                             | 1743010302          | CCJ 2930 Selected Studies in Criminal Justice                                                                                                                                          | Criminal Justice Technology             | Law, Public Safety & Security          | 60 credit hours                 |
| Seminole State College | FLDLE002                    | Correctional Officer                                                                           | 6                                               | 16                                                          | 1743010302          | "CJC 2000 Intro to Corrections<br>CJC 1160 Community Based Corrections<br>CJL 1130 Criminal Procedure<br>CJL 2100 Criminal Law<br>HSC 2400 First Aid and CPR<br>PEM 2101 Conditioning" | Criminal Justice Technology             | Law, Public Safety & Security          | 60 credit hours                 |

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|------------------------|-----------------------------|---------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------|---------------------------------|
| Seminole State College | FLDLE003                    | Correctional Probation Officer                                                  | 6                                               |                                                             | 1743010302          | “CJC 2000 Intro to Corrections<br>CJC 1162 Intro to Probation, Parole and Community Corrections”                                                                                                                                                                            | Criminal Justice Technology          | Law, Public Safety & Security          | 60 credit hours                 |
| Seminole State College | FLDLE004                    | Law Enforcement Officer                                                         | 12                                              | 22                                                          | 1743010302          | “CJE 1000 Intro to Law Enforcement<br>CJE 2400 Community Policing<br>CJE 2540 Police Organization and Administration<br>CJE 2600 Criminal Investigation<br>CJL 1130 Criminal Procedure<br>CJL 2100 Criminal Law<br>HSC 2400 First Aid and CPR<br>PEM 2101 Conditioning<br>” | Criminal Justice Technology          | Law, Public Safety & Security          | 60 credit hours                 |
| Seminole State College | FLDOE004                    | Florida Teacher Certification Examinations (FTCE) - Professional Education Test | 3                                               | 9                                                           | 1413121004          | “EEC 1011 Professionalism in Early Childhood<br>EEC 2732 Health and Safety in Early Childhood<br>EEC 1603 Child Guidance in Early Childhood Education”                                                                                                                      | Early Childhood Education            | Education and Training                 | 60 credit hours                 |
| Seminole State College | FLSFM006                    | Fire Fighter II                                                                 | 3                                               | 6                                                           | 1743020112          | “FFP 1000 Introduction to Firefighting<br>FFP 1702 Principles of Emergency Services”                                                                                                                                                                                        | Fire Science Technology              | Law, Public Safety & Security          | 60 credit hours                 |
| Seminole State College | FLSFM007                    | Fire Safety Inspector I                                                         | 12                                              | 15                                                          | 1743020112          | “FFP 2120 Building Construction for the Fire Service<br>FFP 1510 Fire Protection Code and Standards<br>FFP 2521 Construction Documents and Plans Review<br>FFP 1505 Fire Prevention Practices<br>FFP 1540 Private Protection Systems 1”                                     | Fire Science Technology              | Law, Public Safety & Security          | 60 credit hours                 |
| Seminole State College | FLSFM013                    | Fire Officer I                                                                  | 12                                              |                                                             | 1743020112          | “FFP 2120 Building Construction for the Fire Service<br>FFP 1740 Fire Service Course Delivery<br>FFP 1810 Firefighting Tactics 1<br>FFP 2720 Company Officer “                                                                                                              | Fire Science Technology              | Law, Public Safety & Security          | 60 credit hours                 |
| Seminole State College | FLSFM014                    | Fire Officer II                                                                 | 15                                              | 12                                                          | 1743020112          | “FFP 1505 Fire Prevention Practices<br>FFP 1540 Private Protection Systems 1<br>FFP 2741 Fire Service Course Design<br>FFP 2811 Fire Service Strategy Tactics II”                                                                                                           | Fire Science Technology              | Law, Public Safety & Security          | 60 credit hours                 |
| Seminole State College | GRBCI002                    | LEED Green Associate                                                            | 3                                               |                                                             | 1715020101          | EGS 1990 - elective                                                                                                                                                                                                                                                         | Architectural Engineering Technology | Architecture & Construction            | 60 credit hours                 |
| Seminole State College | GRBCI002                    | LEED Green Associate                                                            | 3                                               |                                                             | 1615130202          | ETD 2930 Selected Studies in Computer-Aided Design Technologies                                                                                                                                                                                                             | Computer-Aided Drafting and Design   | Architecture & Construction            | 60 credit hours                 |
| Seminole State College | GRBCI002                    | LEED Green Associate                                                            | 3                                               |                                                             | 1646041201          | BCN 2930 Selected Studies in Building Construction                                                                                                                                                                                                                          | Construction Management Technology   | Architecture & Construction            | 60 credit hours                 |
| Seminole State College | ICOEC006                    | EC-Council Ethical Hacker Associate                                             | 3                                               |                                                             | 1511100112          | CTS 2317 Advanced Security Certified Ethical Hacker                                                                                                                                                                                                                         | Network Systems Technology           | Information Technology                 | 60 credit hours                 |
| Seminole State College | INTUT001                    | Quickbooks Certified User                                                       | 3                                               |                                                             | 1552030201          | APA 1112C Office Accounting II Using QuickBooks                                                                                                                                                                                                                             | Accounting Technology                | Business Management and Administration | 60 credit hours                 |
| Seminole State College | INTUT001                    | Quickbooks Certified User                                                       | 3                                               |                                                             | 1552020102          | APA 1112C Office Accounting II Using QuickBooks                                                                                                                                                                                                                             | Business Administration              | Business Management and Administration | 60 credit hours                 |
| Seminole State College | INTUT001                    | Quickbooks Certified User                                                       | 3                                               |                                                             | 1552070308          | APA 1112C Office Accounting II Using QuickBooks                                                                                                                                                                                                                             | Business Entrepreneurship            | Business Management and Administration | 60 credit hours                 |
| Seminole State College | INTUT002                    | Entrepreneurship & Small Business                                               | 3                                               |                                                             | 1552020102          | ENT 2172 Opportunity Analysis and Franchising                                                                                                                                                                                                                               | Business Administration              | Business Management and Administration | 60 credit hours                 |
| Seminole State College | INTUT002                    | Entrepreneurship & Small Business                                               | 3                                               |                                                             | 1552070308          | ENT 2172 Opportunity Analysis and Franchising                                                                                                                                                                                                                               | Business Entrepreneurship            | Business Management and Administration | 60 credit hours                 |
| Seminole State College | INTUT003                    | Master Entrepreneurship Certification                                           | 3                                               |                                                             | 1552020102          | ENT 2172 Opportunity Analysis and Franchising                                                                                                                                                                                                                               | Business Administration              | Business Management and Administration | 60 credit hours                 |

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|------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|---------------------------------|
| Seminole State College | INTUT003                    | Master Entrepreneurship Certification                                                                                                               | 3                                               |                                                             | 1552070308          | ENT 2172 Opportunity Analysis and Franchising                                                                                                  | Business Entrepreneurship                | Business Management and Administration   | 60 credit hours                 |
| Seminole State College | ISOGR007                    | TOSA® Autodesk AutoCAD Certified User - Expert (Postsecondary)                                                                                      | 3                                               |                                                             | 1615130202          | ETD 1320C Computer-Aided Design I                                                                                                              | Computer-Aided Drafting and Design       | Architecture & Construction              | 60 credit hours                 |
| Seminole State College | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                                                                                        | 3                                               |                                                             | 1611080300          | GRA 1990 Elective                                                                                                                              | Graphics Technology                      | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Seminole State College | ISOGR010                    | TOSA® JavaScript Certified User – Expert Level (Postsecondary)                                                                                      | 3                                               |                                                             | 1511020101          | COP2831 Advanced JavaScript                                                                                                                    | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Seminole State College | ISOGR011                    | TOSA® Python Certified User – Expert Level (Postsecondary)                                                                                          | 3                                               |                                                             | 1511020101          | COP2047 Python Programming                                                                                                                     | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Seminole State College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher)                                                                  | 3                                               |                                                             | 1611080300          | GRA 1990 Elective                                                                                                                              | Graphics Technology                      | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Seminole State College | KNOWL001                    | Python Coding Specialist                                                                                                                            | 3                                               |                                                             | 1511020101          | COP 2047 Python Programming                                                                                                                    | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Seminole State College | KNOWL005                    | C# Coding Specialist                                                                                                                                | 3                                               |                                                             | 1511020101          | COP 2360 C# Programming                                                                                                                        | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Seminole State College | KNOWL006                    | C# Coding Apprentice                                                                                                                                | 3                                               |                                                             | 1511020101          | COP 2360 C# Programming                                                                                                                        | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Seminole State College | MICRO017                    | Microsoft Office Specialist Master: Microsoft Office 2016 Master Specialist (Requires Word Expert, Excel Expert, PowerPoint, and Access or Outlook) | 3                                               |                                                             | 1552020401          | CGS 2100 Computer Applications                                                                                                                 | Office Administration                    | Business Management and Administration   | 60 credit hours                 |
| Seminole State College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                                                                                          | 15                                              | 9                                                           | 1615000001          | “ETI 1701 Safety for Engineering Technologists<br>ETI 1110 Introduction to Quality<br>ETI 1420C Materials and Processes for ET”                | Engineering Technology                   | Manufacturing                            | 60 credit hours                 |
| Seminole State College | NAOLA002                    | Certified Paralegal/Certified Legal Assistant (CP/CLA)                                                                                              | 3                                               |                                                             | 1722030200          | PLA 2949 Internship in Legal Assisting                                                                                                         | Paralegal Studies (Legal Assisting)      | Law, Public Safety & Security            | 64 credit hours                 |
| Seminole State College | NATHA009                    | Certified Clinical Medical Assistant (CCMA)                                                                                                         | 3                                               | 6                                                           | 1351070101          | “HSC 1531 Medical Terminology<br>HSC 1000 Intro to Healthcare”                                                                                 | Health Services Management               | Health Science                           | 60 credit hours                 |
| Seminole State College | NCCER266                    | NCCER Industrial Maintenance Mechanic Level 4                                                                                                       | 3                                               | 12                                                          | 1615000001          | “ETS2604 Robotics Applications<br>ETI 1110 Intro to Quality<br>ETI 1701 Safety for Engineering Technology<br>ETS 1535C Automation and Sensors” | Engineering Technology                   | Manufacturing                            | 60 credit hours                 |
| Seminole State College | NCFCT008                    | National Certified Patient Care Technician (NCPCT)                                                                                                  | 3                                               | 6                                                           | 1351070101          | “HSC 1531 Medical Terminology<br>HSC 1000 Intro to Healthcare”                                                                                 | Health Services Management               | Health Science                           | 60 credit hours                 |
| Seminole State College | NCSBN002                    | National Licensed Practical Nurse (NCLEX-PN)                                                                                                        | 10                                              | 13                                                          | 1351380100          | “NUR 1022C Foundations of Nursing<br>NUR 1003L Nursing Skills<br>NUR 1210C Concepts of Basic Medical Surgical Nursing”                         | Nursing R.N.                             | Health Science                           | 60 credit hours                 |
| Seminole State College | NIASE005                    | ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2)                                                                        | 3                                               | 4                                                           | 0615080300          | AER 2298 Auto Transmissions/Transaxles                                                                                                         | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Seminole State College | NIASE007                    | ASE Automobile/Light Truck Technician: Brakes (A5)                                                                                                  | 3                                               | 4                                                           | 0615080300          | AER 1596C Brake Systems, Anti-Lock Brakes and Traction Control Systems                                                                         | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Seminole State College | NIASE008                    | ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)                                                                           | 3                                               | 4                                                           | 0615080300          | AER 1602 Electrical/Electronic Systems I                                                                                                       | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Seminole State College | NIASE009                    | ASE Automobile/Light Truck Technician: Engine Performance (A8)                                                                                      | 3                                               | 4                                                           | 0615080300          | AER 2840 Engine Control Systems                                                                                                                | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |

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| Seminole State College | NIASE010                    | ASE Automobile/Light Truck Technician: Engine Repair (A1)                | 3                                               |                                                             | 0615080300          | AER 1197 Engine Diagnoses and Repair                                                                                                                                             | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Seminole State College | NIASE011                    | ASE Automobile/Light Truck Technician: Heating and Air Conditioning (A7) | 3                                               | 4                                                           | 0615080300          | AER 1758 HVAC Systems                                                                                                                                                            | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Seminole State College | NIASE012                    | ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3) | 3                                               |                                                             | 0615080300          | AER 2398 Manual Transmissions/Drive Trains                                                                                                                                       | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Seminole State College | NIASE014                    | ASE Automobile/Light Truck Technician: Suspension and Steering (A4)      | 3                                               |                                                             | 0615080300          | AER 1496 Steering and Suspension Systems                                                                                                                                         | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Seminole State College | NIASE076                    | ASE Auto Maintenance and Light Repair (G1)                               | 3                                               |                                                             | 0615080300          | AER 1082 Introduction to Vehicle Systems and Minor Service                                                                                                                       | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Seminole State College | NREMT001                    | Emergency Medical Technician (EMT)                                       | 9                                               | 10                                                          | 1351090402          | “EMS 1119 Emergency Medical Technician<br>EMS 1119L EMT Laboratory”                                                                                                              | Emergency Medical Services               | Health Science                           | 73 credit hours                 |
| Seminole State College | OEDGP001                    | PCAP – Certified Associate in Python Programming                         | 3                                               |                                                             | 1511020101          | COP 2047 Python Programming                                                                                                                                                      | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Seminole State College | ORACL004                    | Oracle Foundations Associate, Java                                       | 3                                               |                                                             | 1511020101          | COP 1000 Principles of Computer Programming                                                                                                                                      | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Seminole State College | PAHCO001                    | Certified Medical Manager (CMM)                                          | 3                                               | 6                                                           | 1351070101          | “HSC 1531 Medical Terminology<br>HSC 1000 Intro to Healthcare”                                                                                                                   | Health Services Management               | Health Science                           | 60 credit hours                 |
| Seminole State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist                  | 3                                               |                                                             | 1511020101          | CGS 2545C Database Management                                                                                                                                                    | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Seminole State College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                       | 3                                               |                                                             | 1511020101          | COP 2830 Web Programming I                                                                                                                                                       | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Seminole State College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist            | 3                                               |                                                             | 1511020101          | COP 2830 Web Programming I                                                                                                                                                       | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Seminole State College | PROSO032                    | Certified Internet Web (CIW) User Interface Designer                     | 3                                               |                                                             | 1511020101          | COP 2830 Web Programming I                                                                                                                                                       | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Seminole State College | SALES001                    | Salesforce Certified Administrator                                       | 3                                               |                                                             | 1252140101          | MKA 2021 Principles of Selling                                                                                                                                                   | Marketing Management                     | Marketing                                | 60 credit hours                 |
| Seminole State College | SCHRM001                    | SHRM-CP                                                                  | 3                                               | 12                                                          | 1552020102          | “MAN 2300 HR Management<br>MNA 2320 HR Recruitment and Staffing<br>MNA 2325 HR Compensation and Benefits Administration<br>MNA 2403 Intro to HR Management Law and Regulations “ | Business Administration                  | Business Management and Administration   | 60 credit hours                 |
| Seminole State College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations          | 3                                               | 12                                                          | 1615000001          | “ETS2604 Robotics Applications<br>ETI 1110 Intro to Quality<br>ETI 1701 Safety for Engineering Technology<br>ETS 1535C Automation and Sensors”                                   | Engineering Technology                   | Manufacturing                            | 60 credit hours                 |
| Seminole State College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations     | 3                                               | 12                                                          | 1615000001          | “ETS2604 Robotics Applications<br>ETI 1110 Intro to Quality<br>ETI 1701 Safety for Engineering Technology<br>ETS 1535C Automation and Sensors”                                   | Engineering Technology                   | Manufacturing                            | 60 credit hours                 |
| Seminole State College | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)               | 3                                               |                                                             | 1615000001          | ETD 1320C Computer-Aided Design I                                                                                                                                                | Engineering Technology                   | Manufacturing                            | 60 credit hours                 |
| Seminole State College | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)            | 3                                               |                                                             | 1615000001          | ETD 1320C Computer-Aided Design I                                                                                                                                                | Engineering Technology                   | Manufacturing                            | 60 credit hours                 |

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|-----------------------------|-----------------------------|------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|---------------------------------|
| Seminole State College      | TAFLP001                    | Accredited Legal Professional (ALP)                  | 3                                               |                                                             | 1552020401          | OST 1100C Keyboarding and Document Processing                                                                                                    | Office Administration             | Business Management and Administration | 60 credit hours                 |
| Seminole State College      | TAFLP002                    | Professional Legal Secretary (PLS)                   | 9                                               |                                                             | 1552020401          | “OST 1100C Keyboarding and Document Processing<br>OST 1108C AdvKeyboarding & Document Processing<br>OST 2402C Administrative Office Procedures ” | Office Administration             | Business Management and Administration | 60 credit hours                 |
| South Florida State College | AIOPB001                    | Certified Bookkeeper                                 | 3                                               |                                                             | 1552030201          | ACG 2001 Financial Accounting I                                                                                                                  | Accounting Technology             | Business Management and Administration | 60 credit hours                 |
| South Florida State College | INTUT001                    | Quickbooks Certified User                            | 3                                               |                                                             | 1552030201          | ACG 2001 Financial Accounting I                                                                                                                  | Accounting Technology             | Business Management and Administration | 60 credit hours                 |
| South Florida State College | INTUT004                    | Intuit Certified Bookkeeping Professional            | 3                                               |                                                             | 1552030201          | ACG 2001 Financial Accounting I                                                                                                                  | Accounting Technology             | Business Management and Administration | 60 credit hours                 |
| South Florida State College | ACFAT001                    | Accredited Business Accountant (ABA)                 | 3                                               |                                                             | 1552030201          | ACG 2001 Financial Accounting I                                                                                                                  | Accounting Technology             | Business Management and Administration | 60 credit hours                 |
| South Florida State College | INTUT001                    | Quickbooks Certified User                            | 3                                               |                                                             | 1552020102          | ACG 2001Financial Accounting I                                                                                                                   | Business Administration           | Business Management and Administration | 60 credit hours                 |
| South Florida State College | INTUT002                    | Entrepreneurship & Small Business                    | 3                                               |                                                             | 1552020102          | ENT 1000 Intro to Entrepreneurship                                                                                                               | Business Administration           | Business Management and Administration | 60 credit hours                 |
| South Florida State College | INTUT003                    | Master Entrepreneurship Certification                | 3                                               |                                                             | 1552020102          | ENT 1000 Intro to Entrepreneurship                                                                                                               | Business Administration           | Business Management and Administration | 60 credit hours                 |
| South Florida State College | SCHRM001                    | SHRM-CP                                              | 3                                               |                                                             | 1552020102          | N/A                                                                                                                                              | Business Administration           | Business Management and Administration | 60 credit hours                 |
| South Florida State College | CISCO005                    | Cisco Certified Network Professional (CCNP)          | 12                                              |                                                             | 1615120100          |                                                                                                                                                  | Computer Engineering Technology   | Manufacturing                          | 68 credit hours                 |
| South Florida State College | COMPT001                    | CompTIA A+                                           | 6                                               |                                                             | 1615120100          | CGS 1061 Fundamentals of Computers                                                                                                               | Computer Engineering Technology   | Manufacturing                          | 68 credit hours                 |
| South Florida State College | COMPT006                    | CompTIA Network+                                     | 3                                               |                                                             | 1615120100          | CET 1600 Networking Fundamentals                                                                                                                 | Computer Engineering Technology   | Manufacturing                          | 68 credit hours                 |
| South Florida State College | COMPT009                    | CompTIA Server+                                      | 3                                               |                                                             | 1615120100          | CGS 1061 Fundamentals of Computers                                                                                                               | Computer Engineering Technology   | Manufacturing                          | 68 credit hours                 |
| South Florida State College | APPLE021                    | Apple App Development with Swift Certified User      | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                              | Computer Programming and Analysis | Information Technology                 | 60 credit hours                 |
| South Florida State College | APPLE022                    | Apple App Development with Swift Associate           | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                              | Computer Programming and Analysis | Information Technology                 | 60 credit hours                 |
| South Florida State College | CERTI003                    | Information Technology Specialist (ITS) - Databases  | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                              | Computer Programming and Analysis | Information Technology                 | 60 credit hours                 |
| South Florida State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                              | Computer Programming and Analysis | Information Technology                 | 60 credit hours                 |

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|-----------------------------|-----------------------------|----------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------|---------------------------------|
| South Florida State College | CERTI012                    | Information Technology Specialist (ITS) - Python               | 3                                               |                                                             | 1511020101          | COP 2171                                                                                                                                                                   | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | CERTI013                    | Information Technology Specialist (ITS) – Java                 | 3                                               |                                                             | 1511020101          | COP 2250                                                                                                                                                                   | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | COMPT005                    | CompTIA Linux+                                                 | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                                                        | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | COMPT018                    | CompTIA Tech+                                                  | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                                                        | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | KNOWL001                    | Python Coding Specialist                                       | 3                                               |                                                             | 1511020101          | COP 2171                                                                                                                                                                   | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | KNOWL005                    | C# Coding Specialist                                           | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                                                        | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | KNOWL006                    | C# Coding Apprentice                                           | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                                                        | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | OEDGP001                    | PCAP – Certified Associate in Python Programming               | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                                                        | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | ORACL004                    | Oracle Foundations Associate, Java                             | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                                                        | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist        | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                                                        | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist             | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                                                        | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist  | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                                                        | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | PROSO032                    | Certified Internet Web (CIW) User Interface Designer           | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                                                        | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | ISOGR010                    | TOSA® JavaScript Certified User – Expert Level (Postsecondary) | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                                                        | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | ISOGR011                    | TOSA® Python Certified User – Expert Level (Postsecondary)     | 3                                               |                                                             | 1511020101          | N/A                                                                                                                                                                        | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| South Florida State College | FDMQA030                    | 911 Public Safety Telecommunicator                             | 3                                               |                                                             | 1743010302          | CCJ 1194 Interpersonal Communications                                                                                                                                      | Criminal Justice Technology       | Law, Public Safety & Security   | 60 credit hours                 |
| South Florida State College | FLDLE002                    | Correctional Officer                                           | 6                                               | 12                                                          | 1743010302          | CJC 1000 Intro to Law Enforcement, CJC 2300Administration Correctional Inst, CCJ 1194 Interpersonal Communications Theory, EMS 1059C Medical First Responder/Health Issues | Criminal Justice Technology       | Law, Public Safety & Security   | 60 credit hours                 |
| South Florida State College | FLDLE003                    | Correctional Probation Officer                                 | 6                                               |                                                             | 1743010302          | “CJC 2162 Probation, Pardon, and Parole & CJC 2300 Administration of Correctional Institutions”                                                                            | Criminal Justice Technology       | Law, Public Safety & Security   | 60 credit hours                 |

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|-----------------------------|-----------------------------|------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|---------------------------------|
| South Florida State College | FLDLE004                    | Law Enforcement Officer                                                      | 12                                              | 27                                                          | 1743010302          | CJE 1000 Intro to Law Enforcement, CJL 2100 Criminal Law I, CJE 2600 Crimmlal Investigations, CJE 2452 Criminal Justice & Community Relations, CJL 1101 Constitutional Law, CJC 2002 Crimmlal Behavior, CJJ 1001 Juvenile Justice, CJE 2640 Modern Crime Scene Invesigations, EMS 1059C Medical First REsponder/Health Issues | Criminal Justice Technology               | Law, Public Safety & Security   | 60 credit hours                 |
| South Florida State College | NREMT001                    | Emergency Medical Technician (EMT)                                           | 9                                               |                                                             | 1351090402          |                                                                                                                                                                                                                                                                                                                               | Emergency Medical Services                | Health Science                  | 73 credit hours                 |
| South Florida State College | NCCER215                    | NCCER Electronic Systems Technician - Level 4 (Postsecondary)                | 3                                               |                                                             | 1615170100          |                                                                                                                                                                                                                                                                                                                               | Energy Management and Controls Technology | Energy                          | 60 credit hours                 |
| South Florida State College | ADESK011                    | Autodesk Certified User - Inventor                                           | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | ADESK024                    | Autodesk Certified Professional - Inventor                                   | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | ADESK032                    | Autodesk Certified User - Fusion 360                                         | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | ADESK033                    | Autodesk Certified Associate in CAD for Mechanical Design                    | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | ETAIN008                    | Associate Certified Electronics Technician (CETa)                            | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                   | 15                                              |                                                             | 1615000001          | EET 1084C, ETM 1010C, ETI 1701, ETI 1420, ETI 1110                                                                                                                                                                                                                                                                            | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | NIFMS001                    | NIMS Machining - CNC Mill Programming Setup & Operations                     | 1                                               |                                                             | 1615000001          | PMT 2254C                                                                                                                                                                                                                                                                                                                     | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | NIFMS002                    | NIMS Machining - CNC Lathe Programming Setup & Operations                    | 1                                               |                                                             | 1615000001          | PMT 2254C                                                                                                                                                                                                                                                                                                                     | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | NIFMS012                    | NIMS Machining Level II - Grinding Skills II                                 | 2                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)                   | 3                                               |                                                             | 1615000001          | ETD 2364C                                                                                                                                                                                                                                                                                                                     | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)                | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | ADESK035                    | Autodesk Certified Associate in CAM for Turning                              | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | ADESK038                    | Autodesk Certified Professional in CAM for 3 Axis Milling                    | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | ADESK039                    | Autodesk Certified Professional in Design for Manufacturing                  | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis     | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification                   | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                       | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | NCCER266                    | NCCER Industrial Maintenance Mechanic Level 4                                | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations              | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations         | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| South Florida State College | SMACA011                    | C-104 Certified Industry 4.0 Associate IV - IIoT Networking & Data Analytics | 3                                               |                                                             | 1615000001          | N/A                                                                                                                                                                                                                                                                                                                           | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |

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|-----------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------|---------------------------------|
| South Florida State College | FLSFM006                    | Fire Fighter II                                                                                                                                     | 3                                               |                                                             | 1743020112          |                                                                                                                        | Fire Science Technology    | Law, Public Safety & Security          | 60 credit hours                 |
| South Florida State College | FLSFM007                    | Fire Safety Inspector I                                                                                                                             | 12                                              |                                                             | 1743020112          |                                                                                                                        | Fire Science Technology    | Law, Public Safety & Security          | 60 credit hours                 |
| South Florida State College | FLSFM013                    | Fire Officer I                                                                                                                                      | 12                                              |                                                             | 1743020112          |                                                                                                                        | Fire Science Technology    | Law, Public Safety & Security          | 60 credit hours                 |
| South Florida State College | FLSFM014                    | Fire Officer II                                                                                                                                     | 15                                              |                                                             | 1743020112          |                                                                                                                        | Fire Science Technology    | Law, Public Safety & Security          | 60 credit hours                 |
| South Florida State College | AMAMA001                    | Certified Medical Assistant (CMA)                                                                                                                   | 3                                               |                                                             | 1351070101          |                                                                                                                        | Health Services Management | Health Science                         | 60 credit hours                 |
| South Florida State College | AMEDT004                    | Registered Medical Assistant (RMA)                                                                                                                  | 3                                               |                                                             | 1351070101          |                                                                                                                        | Health Services Management | Health Science                         | 60 credit hours                 |
| South Florida State College | NATHA009                    | Certified Clinical Medical Assistant (CCMA)                                                                                                         | 3                                               |                                                             | 1351070101          |                                                                                                                        | Health Services Management | Health Science                         | 60 credit hours                 |
| South Florida State College | NCFCT008                    | National Certified Patient Care Technician (NCPCT)                                                                                                  | 3                                               |                                                             | 1351070101          |                                                                                                                        | Health Services Management | Health Science                         | 60 credit hours                 |
| South Florida State College | PAHCO001                    | Certified Medical Manager (CMM)                                                                                                                     | 3                                               |                                                             | 1351070101          |                                                                                                                        | Health Services Management | Health Science                         | 60 credit hours                 |
| South Florida State College | APPLE002                    | Apple Certified Technical Coordinator                                                                                                               | 2                                               |                                                             | 1511100112          | N/A                                                                                                                    | Network Systems Technology | Information Technology                 | 60 credit hours                 |
| South Florida State College | APPLE019                    | Apple Certified Support Professional                                                                                                                | 2                                               |                                                             | 1511100112          | N/A                                                                                                                    | Network Systems Technology | Information Technology                 | 60 credit hours                 |
| South Florida State College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                                                                                           | 3                                               |                                                             | 1511100112          | N/A                                                                                                                    | Network Systems Technology | Information Technology                 | 60 credit hours                 |
| South Florida State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                                                                                            | 6                                               |                                                             | 1511100112          | CET Networking Fundamentals                                                                                            | Network Systems Technology | Information Technology                 | 60 credit hours                 |
| South Florida State College | COMPT007                    | CompTIA Project+                                                                                                                                    | 3                                               |                                                             | 1511100112          | CTS 2142 Project Management                                                                                            | Network Systems Technology | Information Technology                 | 60 credit hours                 |
| South Florida State College | COMPT009                    | CompTIA Server+                                                                                                                                     | 3                                               |                                                             | 1511100112          | CGS 1061 Fundamentals of Computers                                                                                     | Network Systems Technology | Information Technology                 | 60 credit hours                 |
| South Florida State College | COMPT018                    | CompTIA Tech+                                                                                                                                       | 3                                               |                                                             | 1511100112          | CGS 1061 Fundamentals of Computers                                                                                     | Network Systems Technology | Information Technology                 | 60 credit hours                 |
| South Florida State College | ICOEC006                    | EC-Council Ethical Hacker Associate                                                                                                                 | 3                                               |                                                             | 1511100112          | CIS 2352C Ethical Hacking                                                                                              | Network Systems Technology | Information Technology                 | 60 credit hours                 |
| South Florida State College | LINPI001                    | Linux Essentials 010                                                                                                                                | 3                                               |                                                             | 1511100112          | N/A                                                                                                                    | Network Systems Technology | Information Technology                 | 60 credit hours                 |
| South Florida State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                                                                                             | 3                                               |                                                             | 1511100112          | N/A                                                                                                                    | Network Systems Technology | Information Technology                 | 60 credit hours                 |
| South Florida State College | NCSBN002                    | National Licensed Practical Nurse (NCLEX-PN)                                                                                                        | 10                                              |                                                             | 1351380100          |                                                                                                                        | Nursing R.N.               | Health Science                         | 60 credit hours                 |
| South Florida State College | MICRO017                    | Microsoft Office Specialist Master: Microsoft Office 2016 Master Specialist (Requires Word Expert, Excel Expert, PowerPoint, and Access or Outlook) | 3                                               | 9                                                           | 1552020401          | OST 1713C Word Processing using Word, OST 1829C Presentation Expert Skills, OST 2852 Excel for the Office              | Office Administration      | Business Management and Administration | 60 credit hours                 |
| South Florida State College | TAFLP001                    | Accredited Legal Professional (ALP)                                                                                                                 | 3                                               |                                                             | 1552020401          | OST 2321C Office Equipment Procedures I                                                                                | Office Administration      | Business Management and Administration | 60 credit hours                 |
| South Florida State College | TAFLP002                    | Professional Legal Secretary (PLS)                                                                                                                  | 9                                               |                                                             | 1552020401          | OST 2335 Business Communications, OST 2321C Office Equipment Procedures I, OST 2332 Office Equipment and Procedures II | Office Administration      | Business Management and Administration | 60 credit hours                 |
| South Florida State College | FDMQA001                    | Basic X-Ray Machine Operator                                                                                                                        | 3                                               |                                                             | 1351091100          |                                                                                                                        | Radiography                | Health Science                         | 77 credit hours                 |

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|--------------------------|-----------------------------|--------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|---------------------------------|
| State College of Florida | ACFAT001                    | Accredited Business Accountant (ABA)                                     | 3                                               | 15                                                          | 1552030201          | “APA1111 Intro to Accounting<br>ACG2021 Princ Financial Acct<br>ACG2071 Princ of Managerial Acct<br>BUL2131 Legal Envir of Business<br>TAX2000 Taxation Indiv Small Bus “                           | Accounting Technology                 | Business Management and Administration | 60 credit hours                 |
| State College of Florida | ADESK032                    | Autodesk Certified User - Fusion 360                                     | 3                                               | 6                                                           | 1615000001          | “ETD1320C Intro AutoCAD<br>ETD2364C Intro Solidworks”                                                                                                                                               | Engineering Technology                | Manufacturing                          | 60 credit hours                 |
| State College of Florida | ADESK039                    | Autodesk Certified Professional in Design for Manufacturing              | 3                                               | 6                                                           | 1615000001          | “ETD2364C Intro Solidworks<br>ETD2368C Advanced Solidworks”                                                                                                                                         | Engineering Technology                | Manufacturing                          | 60 credit hours                 |
| State College of Florida | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis | 3                                               | 6                                                           | 1615000001          | “ETD1320C Intro AutoCAD<br>ETD2364C Intro Solidworks”                                                                                                                                               | Engineering Technology                | Manufacturing                          | 60 credit hours                 |
| State College of Florida | APPLE021                    | Apple App Development with Swift Certified User                          | 3                                               |                                                             | 1511020101          | CEN2361 Mobile Device Software Development                                                                                                                                                          | Computer Programming and Analysis     | Information Technology                 | 60 credit hours                 |
| State College of Florida | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                     | 3                                               |                                                             | 1511020101          | COP2250 JAVA Programming 1                                                                                                                                                                          | Computer Programming and Analysis     | Information Technology                 | 60 credit hours                 |
| State College of Florida | CERTI012                    | Information Technology Specialist (ITS) - Python                         | 3                                               |                                                             | 1511020101          | COP{2510 Programming Concepts                                                                                                                                                                       | Computer Programming and Analysis     | Information Technology                 | 60 credit hours                 |
| State College of Florida | CERTI013                    | Information Technology Specialist (ITS) – Java                           | 3                                               |                                                             | 1511020101          | COP2250 Java Programming 1                                                                                                                                                                          | Computer Programming and Analysis     | Information Technology                 | 60 credit hours                 |
| State College of Florida | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                  | 3                                               |                                                             | 1511100112          | CIS2121 Cybersecurity Analysis                                                                                                                                                                      | Network Systems Technology            | Information Technology                 | 60 credit hours                 |
| State College of Florida | CISCO029                    | Cisco Certified Support Technician (CCST) Networking                     | 3                                               |                                                             | 1511010307          | CET1600 Networking Fundamentals                                                                                                                                                                     | Computer Information Technology       | Information Technology                 | 60 credit hours                 |
| State College of Florida | CPREC001                    | Child Development Associate (CDA)                                        | 9                                               |                                                             | 1413121004          | “EEC1000 Intro to Early Childhood Ed<br>EEC1001 Early Cchildhood Growth and Development<br>EEC1601 Observation and Assessment in Early Childhood”                                                   | Early Childhood Education             | Education and Training                 | 60 credit hours                 |
| State College of Florida | ENTCP001                    | ETCP Certified Entertainment Electrician                                 | 3                                               |                                                             | 1650091300          | MUS1550 Music Technology                                                                                                                                                                            | Music and Sound Production Technology | Arts, A/V Technology & Communication   | 64 credit hours                 |
| State College of Florida | ENTCP003                    | ETCP Certified Rigger – Theatre                                          | 3                                               |                                                             | 1650091300          | MUM1620 Sound and Stage                                                                                                                                                                             | Music and Sound Production Technology | Arts, A/V Technology & Communication   | 64 credit hours                 |
| State College of Florida | FLDLE002                    | Correctional Officer                                                     | 6                                               | 12                                                          | 1743010302          | “CJC1000 Intro to Corrections<br>CJL2100 Criminal Law<br>HSC2402 ARC Wilderness First Aid<br>ISS1949 Work Experience Soc Sci”                                                                       | Criminal Justice Technology           | Law, Public Safety & Security          | 60 credit hours                 |
| State College of Florida | FLDLE004                    | Law Enforcement Officer                                                  | 12                                              | 18                                                          | 1743010302          | “CJC1000 Intro to Corrections<br>CJL2100 Criminal Law<br>CJL2130 Criminal Evid & Procd<br>CJE2600 Criminal Investigation<br>HSC2402 A.R.C. Wilderness First Aid<br>ISS1949 Work Experience Soc Sci” | Criminal Justice Technology           | Law, Public Safety & Security          | 60 credit hours                 |
| State College of Florida | FLSFM006                    | Fire Fighter II                                                          | 3                                               |                                                             | 1743020112          | FFP1000 Intro to Fire Science                                                                                                                                                                       | Fire Science Technology               | Law, Public Safety & Security          | 60 credit hours                 |
| State College of Florida | FLSFM013                    | Fire Officer I                                                           | 12                                              |                                                             | 1743020112          | “FFP1740 Fire Service Course Deliv<br>FFP1810 Firefighting Tactics & Strat1<br>FFP2120 Building Constr for Fire Serv<br>FFP2720 Company Officer”                                                    | Fire Science Technology               | Law, Public Safety & Security          | 60 credit hours                 |

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| State College of Florida  | FLSFM014                    | Fire Officer II                                                                    | 15                                              | 12                                                          | 1743020112          | “FFP2741 Fire Service Course Design<br>FFP2811 Firefighting Tactics & Strat2<br>FFP1505 Fire Prevention Practice<br>FFP1540 Private Fire Prevent Sys1” | Fire Science Technology             | Law, Public Safety & Security          | 60 credit hours                 |
| State College of Florida  | INTUT001                    | Quickbooks Certified User                                                          | 3                                               |                                                             | 1552030201          | APA2141 Computers for Accounting Applications                                                                                                          | Accounting Technology               | Business Management and Administration | 60 credit hours                 |
| State College of Florida  | INTUT001                    | Quickbooks Certified User                                                          | 3                                               |                                                             | 1552020102          | APA2141 Computers for Accounting Applications                                                                                                          | Business Administration             | Business Management and Administration | 60 credit hours                 |
| State College of Florida  | INTUT002                    | Entrepreneurship & Small Business                                                  | 3                                               |                                                             | 1552020102          | ENT2000 Intro to Entrepreneurship                                                                                                                      | Business Administration             | Business Management and Administration | 60 credit hours                 |
| State College of Florida  | INTUT002                    | Entrepreneurship & Small Business                                                  | 3                                               |                                                             | 1552070308          | ENT2000 Intro to Entrepreneurship                                                                                                                      | Business Entrepreneurship           | Business Management and Administration | 60 credit hours                 |
| State College of Florida  | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                             | 3                                               | 6                                                           | 1615000001          | EET1084C Intro to Electronics, EET2525C Programable Logic Controllers                                                                                  | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| State College of Florida  | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                       | 3                                               |                                                             | 1611080300          | GRA2150C Photoshop                                                                                                                                     | Graphics Technology                 | Arts, A/V Technology & Communication   | 64 credit hours                 |
| State College of Florida  | ISOGR010                    | TOSA® JavaScript Certified User – Expert Level (Postsecondary)                     | 3                                               |                                                             | 1511020101          | COP2822 Web Scripting                                                                                                                                  | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| State College of Florida  | ISOGR011                    | TOSA® Python Certified User – Expert Level (Postsecondary)                         | 3                                               |                                                             | 1511020101          | COP2510 Programming Concepts                                                                                                                           | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| State College of Florida  | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher) | 3                                               |                                                             | 1611080300          | GRA2122C Desktop Publishing                                                                                                                            | Graphics Technology                 | Arts, A/V Technology & Communication   | 64 credit hours                 |
| State College of Florida  | NAOLA002                    | Certified Paralegal/Certified Legal Assistant (CP/CLA)                             | 3                                               |                                                             | 1722030200          | PLA2950 Certified Paralegal Examination Review                                                                                                         | Paralegal Studies (Legal Assisting) | Law, Public Safety & Security          | 64 credit hours                 |
| State College of Florida  | NATHA009                    | Certified Clinical Medical Assistant (CCMA)                                        | 3                                               |                                                             | 1351070101          | Health Services Management elective 3 credits                                                                                                          | Health Services Management          | Health Science                         | 60 credit hours                 |
| State College of Florida  | NCDLT001                    | Certified Dental Technician                                                        | 3                                               |                                                             | 1351060200          | DES1100C Dental Materials                                                                                                                              | Dental Hygiene                      | Health Science                         | 88 credit hours                 |
| State College of Florida  | SCHRM001                    | SHRM-CP                                                                            | 3                                               |                                                             | 1552020102          | MAN2021 Principles of Management and Organization                                                                                                      | Business Administration             | Business Management and Administration | 60 credit hours                 |
| State College of Florida  | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations               | 3                                               | 6                                                           | 1615000001          | “ETS1540 Intro to SolidWorks<br>ETD2368C Advanced SolidWorks”                                                                                          | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | ACFAT001                    | Accredited Business Accountant (ABA)                                               | 3                                               |                                                             | 1552030201          |                                                                                                                                                        | Accounting Technology               | Business Management and Administration | 60 credit hours                 |
| Tallahassee State College | ADESK008                    | Autodesk Certified User - Revit                                                    | 3                                               |                                                             | 1615100102          |                                                                                                                                                        | Building Construction Technology    | Architecture & Construction            | 60 credit hours                 |
| Tallahassee State College | ADESK011                    | Autodesk Certified User - Inventor                                                 | 3                                               |                                                             | 1615000001          |                                                                                                                                                        | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | ADESK024                    | Autodesk Certified Professional - Inventor                                         | 3                                               |                                                             | 1615000001          |                                                                                                                                                        | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | ADESK030                    | Autodesk Certified User - Maya                                                     | 9                                               |                                                             | 1550041100          |                                                                                                                                                        | Game Development Design             | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | ADESK032                    | Autodesk Certified User - Fusion 360                                               | 3                                               |                                                             | 1615000001          |                                                                                                                                                        | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | ADESK033                    | Autodesk Certified Associate in CAD for Mechanical Design                          | 3                                               |                                                             | 1615000001          |                                                                                                                                                        | Engineering Technology              | Manufacturing                          | 60 credit hours                 |

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| Tallahassee State College | ADESK035                    | Autodesk Certified Associate in CAM for Turning                                                | 3                                               |                                                             | 1615000001          |                       | Engineering Technology             | Manufacturing                            | 60 credit hours                 |
| Tallahassee State College | ADESK036                    | Autodesk Certified Expert in CAM for Multi-Axis Milling                                        | 3                                               |                                                             | 1615030301          |                       | Electronics Engineering Technology | Manufacturing                            | 68 credit hours                 |
| Tallahassee State College | ADESK037                    | Autodesk Certified Expert in Generative Design for Manufacturing                               | 3                                               |                                                             | 1615030301          |                       | Electronics Engineering Technology | Manufacturing                            | 68 credit hours                 |
| Tallahassee State College | ADESK038                    | Autodesk Certified Professional in CAM for 3 Axis Milling                                      | 3                                               |                                                             | 1615000001          |                       | Engineering Technology             | Manufacturing                            | 60 credit hours                 |
| Tallahassee State College | ADESK039                    | Autodesk Certified Professional in Design for Manufacturing                                    | 3                                               |                                                             | 1615000001          |                       | Engineering Technology             | Manufacturing                            | 60 credit hours                 |
| Tallahassee State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                       | 3                                               |                                                             | 1615000001          |                       | Engineering Technology             | Manufacturing                            | 60 credit hours                 |
| Tallahassee State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                       | 3                                               |                                                             | 1615030301          |                       | Electronics Engineering Technology | Manufacturing                            | 68 credit hours                 |
| Tallahassee State College | ADOBE024                    | Adobe Certified Professional in Visual Design (Requires Photoshop and Illustrator or InDesign) | 3                                               |                                                             | 1611080300          |                       | Graphics Technology                | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Tallahassee State College | AIOPB001                    | Certified Bookkeeper                                                                           | 3                                               |                                                             | 1552030201          |                       | Accounting Technology              | Business Management and Administration   | 60 credit hours                 |
| Tallahassee State College | AMEDT004                    | Registered Medical Assistant (RMA)                                                             | 3                                               |                                                             | 1551070500          |                       | Medical Office Administration      | Business Management and Administration   | 60 credit hours                 |
| Tallahassee State College | AMSTL004                    | Professional Designation in Supply Chain Management (PLS)                                      | 3                                               |                                                             | 1652020901          |                       | Supply Chain Management            | Transportation, Distribution & Logistics | 60 credit hours                 |
| Tallahassee State College | APPLE002                    | Apple Certified Technical Coordinator                                                          | 2                                               |                                                             | 1511100112          |                       | Network Systems Technology         | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | APPLE019                    | Apple Certified Support Professional                                                           | 2                                               |                                                             | 1511100112          |                       | Network Systems Technology         | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | APPLE021                    | Apple App Development with Swift Certified User                                                | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis  | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | APPLE022                    | Apple App Development with Swift Associate                                                     | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis  | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CERTI003                    | Information Technology Specialist (ITS) - Databases                                            | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology    | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CERTI003                    | Information Technology Specialist (ITS) - Databases                                            | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis  | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management                  | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology    | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                                           | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology    | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                                           | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis  | Information Technology                   | 60 credit hours                 |

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|---------------------------|-----------------------------|-----------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------|-----------------------------------|------------------------------------------|---------------------------------|
| Tallahassee State College | CERTI012                    | Information Technology Specialist (ITS) - Python          | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CERTI012                    | Information Technology Specialist (ITS) - Python          | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                     | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CERTI013                    | Information Technology Specialist (ITS) – Java            | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing | 3                                               |                                                             | 1511100112          |                       | Network Systems Technology        | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CISCO005                    | Cisco Certified Network Professional (CCNP)               | 12                                              |                                                             | 1615120100          |                       | Computer Engineering Technology   | Manufacturing                            | 68 credit hours                 |
| Tallahassee State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                  | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                  | 6                                               |                                                             | 1511100112          |                       | Network Systems Technology        | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity   | 3                                               |                                                             | 1511100112          |                       | Network Systems Technology        | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity   | 3                                               |                                                             | 1511100300          |                       | Cybersecurity Operations          | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity   | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                     | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CISCO029                    | Cisco Certified Support Technician (CCST) Networking      | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | COMPT005                    | CompTIA Linux+                                            | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | COMPT007                    | CompTIA Project+                                          | 3                                               |                                                             | 1511100112          |                       | Network Systems Technology        | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | COMPT007                    | CompTIA Project+                                          | 3                                               |                                                             | 1652020901          |                       | Supply Chain Management           | Transportation, Distribution & Logistics | 60 credit hours                 |
| Tallahassee State College | COMPT008                    | CompTIA Security+                                         | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                     | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | COMPT008                    | CompTIA Security+                                         | 3                                               |                                                             | 1511100300          |                       | Cybersecurity Operations          | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | COMPT009                    | CompTIA Server+                                           | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | COMPT009                    | CompTIA Server+                                           | 3                                               |                                                             | 1511100112          |                       | Network Systems Technology        | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | COMPT018                    | CompTIA Tech+                                             | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | COMPT018                    | CompTIA Tech+                                             | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |

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|---------------------------|-----------------------------|---------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------|---------------------------------|
| Tallahassee State College | COMPT018                    | CompTIA Tech+                                     | 3                                               |                                                             | 1530700100          |                                                                                                                                                                            | Data Science Technology                    | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | COMPT018                    | CompTIA Tech+                                     | 3                                               |                                                             | 1511100112          |                                                                                                                                                                            | Network Systems Technology                 | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | CPREC001                    | Child Development Associate (CDA)                 | 9                                               | 12                                                          | 1419070802          | EDF 1004 - Education Field Experience; EEC 1308 - Education of the Young Child; EEC 1907 - Directed Observation & Participation; Elective Credit                           | Early Childhood Management                 | Education and Training                   | 60 credit hours                 |
| Tallahassee State College | DANBD001                    | Certified Dental Assistant (CDA)                  | 5                                               |                                                             | 1351060104          |                                                                                                                                                                            | Dental Assisting Technology and Management | Health Science                           | 70 credit hours                 |
| Tallahassee State College | DANBD002                    | Certified Orthodontic Assistant                   | 3                                               |                                                             | 1351060104          |                                                                                                                                                                            | Dental Assisting Technology and Management | Health Science                           | 70 credit hours                 |
| Tallahassee State College | DANBD002                    | Certified Orthodontic Assistant                   | 3                                               |                                                             | 1351060200          |                                                                                                                                                                            | Dental Hygiene                             | Health Science                           | 88 credit hours                 |
| Tallahassee State College | ETAIN008                    | Associate Certified Electronics Technician (CETa) | 3                                               |                                                             | 1615030301          |                                                                                                                                                                            | Electronics Engineering Technology         | Manufacturing                            | 68 credit hours                 |
| Tallahassee State College | ETAIN008                    | Associate Certified Electronics Technician (CETa) | 3                                               |                                                             | 1615000001          |                                                                                                                                                                            | Engineering Technology                     | Manufacturing                            | 60 credit hours                 |
| Tallahassee State College | ETAIN012                    | Photonics Technician-Operator (PTO)               | 3                                               |                                                             | 1615030301          |                                                                                                                                                                            | Electronics Engineering Technology         | Manufacturing                            | 68 credit hours                 |
| Tallahassee State College | ETAIN013                    | Photonics Technician Specialist (PTS)             | 3                                               |                                                             | 1615030301          |                                                                                                                                                                            | Electronics Engineering Technology         | Manufacturing                            | 68 credit hours                 |
| Tallahassee State College | ETAIN014                    | Photovoltaic Installer (PVI) - Level 1            | 3                                               |                                                             | 1615030301          |                                                                                                                                                                            | Electronics Engineering Technology         | Manufacturing                            | 68 credit hours                 |
| Tallahassee State College | ETAIN022                    | Specialist in Precision Optics (SPO)              | 3                                               |                                                             | 1615030301          |                                                                                                                                                                            | Electronics Engineering Technology         | Manufacturing                            | 68 credit hours                 |
| Tallahassee State College | ETAIN023                    | Technician in Precision Optics (TPO)              | 3                                               |                                                             | 1615030301          |                                                                                                                                                                            | Electronics Engineering Technology         | Manufacturing                            | 68 credit hours                 |
| Tallahassee State College | FDMQA001                    | Basic X-Ray Machine Operator                      | 3                                               |                                                             | 1351091100          |                                                                                                                                                                            | Radiography                                | Health Science                           | 77 credit hours                 |
| Tallahassee State College | FDMQA030                    | 911 Public Safety Telecommunicator                | 3                                               |                                                             | 1743010302          |                                                                                                                                                                            | Criminal Justice Technology                | Law, Public Safety & Security            | 60 credit hours                 |
| Tallahassee State College | FEDAA013                    | FAA Ground School                                 | 3                                               |                                                             | 1615080102          |                                                                                                                                                                            | Unmanned Vehicle Systems Operations        | Transportation, Distribution & Logistics | 62 credit hours                 |
| Tallahassee State College | FLDLE002                    | Correctional Officer                              | 6                                               | 15                                                          | 1743010302          | CCJ 1020-Criminal Justice System; CJE 1000-Law Enforcement; CJE 2600-Criminal Investigation; CJE 2640-Crime Scene Investigation; CJL 2130-Criminal Evidence and Procedures | Criminal Justice Technology                | Law, Public Safety & Security            | 60 credit hours                 |
| Tallahassee State College | FLDLE003                    | Correctional Probation Officer                    | 6                                               | 15                                                          | 1743010302          | CCJ 1020-Criminal Justice System; CJE 1000-Law Enforcement; CJE 2600-Criminal Investigation; CJE 2640-Crime Scene Investigation; CJL 2130-Criminal Evidence and Procedures | Criminal Justice Technology                | Law, Public Safety & Security            | 60 credit hours                 |
| Tallahassee State College | FLDLE004                    | Law Enforcement Officer                           | 12                                              | 15                                                          | 1743010302          | CCJ 1020-Criminal Justice System; CJE 1000-Law Enforcement; CJE 2600-Criminal Investigation; CJE 2640-Crime Scene Investigation; CJL 2130-Criminal Evidence and Procedures | Criminal Justice Technology                | Law, Public Safety & Security            | 60 credit hours                 |
| Tallahassee State College | GLIAC008                    | GIAC Penetration Tester (GPEN)                    | 3                                               |                                                             | 1511100308          |                                                                                                                                                                            | Cybersecurity                              | Information Technology                   | 60 credit hours                 |
| Tallahassee State College | GLIAC009                    | GIAC Certified Incident Handler (GCIH)            | 3                                               |                                                             | 1511100308          |                                                                                                                                                                            | Cybersecurity                              | Information Technology                   | 60 credit hours                 |

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|---------------------------|-----------------------------|------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------|------------------------------------|----------------------------------------|---------------------------------|
| Tallahassee State College | GRBCI002                    | LEED Green Associate                                                               | 2                                               |                                                             | 1615100102          |                       | Building Construction Technology   | Architecture & Construction            | 60 credit hours                 |
| Tallahassee State College | GRBCI002                    | LEED Green Associate                                                               | 3                                               |                                                             | 1646041201          |                       | Construction Management Technology | Architecture & Construction            | 60 credit hours                 |
| Tallahassee State College | ICOEC005                    | EC-Council Cyber Forensics Associate                                               | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                      | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | ICOEC006                    | EC-Council Ethical Hacker Associate                                                | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                      | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | ICOEC006                    | EC-Council Ethical Hacker Associate                                                | 3                                               |                                                             | 1511100112          |                       | Network Systems Technology         | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | ICOEC010                    | EC-Council Digital Forensics Essentials (DFE)                                      | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                      | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | ICOEC011                    | EC-Council Ethical Hacking Essentials (EHE)                                        | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                      | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | INTUT001                    | Quickbooks Certified User                                                          | 3                                               |                                                             | 1552030201          |                       | Accounting Technology              | Business Management and Administration | 60 credit hours                 |
| Tallahassee State College | INTUT004                    | Intuit Certified Bookkeeping Professional                                          | 3                                               |                                                             | 1552030201          |                       | Accounting Technology              | Business Management and Administration | 60 credit hours                 |
| Tallahassee State College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification                         | 3                                               |                                                             | 1615030301          |                       | Electronics Engineering Technology | Manufacturing                          | 68 credit hours                 |
| Tallahassee State College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification                         | 3                                               |                                                             | 1615000001          |                       | Engineering Technology             | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                             | 3                                               |                                                             | 1615030301          |                       | Electronics Engineering Technology | Manufacturing                          | 68 credit hours                 |
| Tallahassee State College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                             | 3                                               |                                                             | 1615000001          |                       | Engineering Technology             | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                       | 3                                               |                                                             | 1611080300          |                       | Graphics Technology                | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Tallahassee State College | ISOGR010                    | TOSA® JavaScript Certified User – Expert Level (Postsecondary)                     | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | ISOGR011                    | TOSA® Python Certified User – Expert Level (Postsecondary)                         | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher) | 3                                               |                                                             | 1611080300          |                       | Graphics Technology                | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Tallahassee State College | KNOWL001                    | Python Coding Specialist                                                           | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | KNOWL005                    | C# Coding Specialist                                                               | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | KNOWL006                    | C# Coding Apprentice                                                               | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis  | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | KNOWL007                    | .NET Coding Specialist                                                             | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology    | Information Technology                 | 60 credit hours                 |

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|---------------------------|-----------------------------|------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------------------|-------------------------------------|----------------------------------------|---------------------------------|
| Tallahassee State College | LINPI001                    | Linux Essentials 010                                             | 3                                               |                                                             | 1511010307          |                                 | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | LINPI001                    | Linux Essentials 010                                             | 3                                               |                                                             | 1511100308          |                                 | Cybersecurity                       | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | LINPI001                    | Linux Essentials 010                                             | 3                                               |                                                             | 1530700100          |                                 | Data Science Technology             | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | LINPI001                    | Linux Essentials 010                                             | 3                                               |                                                             | 1511100112          |                                 | Network Systems Technology          | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | MSSCN001                    | MSSC Certified Production Technician (CPT)                       | 6                                               |                                                             | 1615030301          |                                 | Electronics Engineering Technology  | Manufacturing                          | 68 credit hours                 |
| Tallahassee State College | MSSCN001                    | MSSC Certified Production Technician (CPT)                       | 15                                              |                                                             | 1615000001          |                                 | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | NAOLA002                    | Certified Paralegal/Certified Legal Assistant (CP/CLA)           | 3                                               |                                                             | 1722030200          |                                 | Paralegal Studies (Legal Assisting) | Law, Public Safety & Security          | 64 credit hours                 |
| Tallahassee State College | NATHA009                    | Certified Clinical Medical Assistant (CCMA)                      | 3                                               |                                                             | 1551070500          |                                 | Medical Office Administration       | Business Management and Administration | 60 credit hours                 |
| Tallahassee State College | NCCER098                    | NCCER Manufactured Construction Technology - Level 1 (Secondary) | 3                                               |                                                             | 1615100102          |                                 | Building Construction Technology    | Architecture & Construction            | 60 credit hours                 |
| Tallahassee State College | NCCER099                    | NCCER Manufactured Construction Technology - Level 2 (Secondary) | 3                                               |                                                             | 1615100102          |                                 | Building Construction Technology    | Architecture & Construction            | 60 credit hours                 |
| Tallahassee State College | NCCER266                    | NCCER Industrial Maintenance Mechanic Level 4                    | 3                                               |                                                             | 1615000001          |                                 | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | NCDLT001                    | Certified Dental Technician                                      | 3                                               |                                                             | 1351060200          |                                 | Dental Hygiene                      | Health Science                         | 88 credit hours                 |
| Tallahassee State College | NCFCT007                    | National Certified Medical Office Assistant (NCMOA)              | 6                                               |                                                             | 1551070500          |                                 | Medical Office Administration       | Business Management and Administration | 60 credit hours                 |
| Tallahassee State College | NCSBN002                    | National Licensed Practical Nurse (NCLEX-PN)                     | 10                                              | 10                                                          | 1351380100          | NUR 1021C, Nursing Processing I | Nursing R.N.                        | Health Science                         | 60 credit hours                 |
| Tallahassee State College | NIFMS001                    | NIMS Machining - CNC Mill Programming Setup & Operations         | 1                                               |                                                             | 1615000001          |                                 | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | NIFMS002                    | NIMS Machining - CNC Lathe Programming Setup & Operations        | 1                                               |                                                             | 1615000001          |                                 | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | NIFMS012                    | NIMS Machining Level II - Grinding Skills II                     | 2                                               |                                                             | 1615000001          |                                 | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | NREMT001                    | Emergency Medical Technician (EMT)                               | 9                                               |                                                             | 1351090402          |                                 | Emergency Medical Services          | Health Science                         | 73 credit hours                 |
| Tallahassee State College | OEDGP001                    | PCAP – Certified Associate in Python Programming                 | 3                                               |                                                             | 1511020101          |                                 | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | ORACL004                    | Oracle Foundations Associate, Java                               | 3                                               |                                                             | 1511010307          |                                 | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | ORACL004                    | Oracle Foundations Associate, Java                               | 3                                               |                                                             | 1511020101          |                                 | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist          | 3                                               |                                                             | 1511010307          |                                 | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist          | 3                                               |                                                             | 1511020101          |                                 | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |

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|---------------------------|-----------------------------|------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------|-------------------------------------|----------------------------------------|---------------------------------|
| Tallahassee State College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | PROSO032                    | Certified Internet Web (CIW) User Interface Designer                         | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis   | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | PROSO034                    | Certified Internet Web (CIW) Artificial Intelligence Associate               | 3                                               |                                                             | 1511010200          |                       | Applied Artificial Intelligence     | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | PROSO034                    | Certified Internet Web (CIW) Artificial Intelligence Associate               | 3                                               |                                                             | 1530700100          |                       | Data Science Technology             | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | PROSO035                    | Certified Internet Web (CIW) Artificial Intelligence Data Science Specialist | 3                                               |                                                             | 1511010200          |                       | Applied Artificial Intelligence     | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | PROSO035                    | Certified Internet Web (CIW) Artificial Intelligence Data Science Specialist | 3                                               |                                                             | 1530700100          |                       | Data Science Technology             | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | SCHRM001                    | SHRM-CP                                                                      | 3                                               |                                                             | 1552020102          |                       | Business Administration             | Business Management and Administration | 60 credit hours                 |
| Tallahassee State College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations              | 3                                               |                                                             | 1615000001          |                       | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations              | 3                                               |                                                             | 1615030301          |                       | Electronics Engineering Technology  | Manufacturing                          | 68 credit hours                 |
| Tallahassee State College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations         | 3                                               |                                                             | 1615000001          |                       | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations         | 3                                               |                                                             | 1615030301          |                       | Electronics Engineering Technology  | Manufacturing                          | 68 credit hours                 |
| Tallahassee State College | SMACA011                    | C-104 Certified Industry 4.0 Associate IV - IIoT Networking & Data Analytics | 3                                               |                                                             | 1615000001          |                       | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)                   | 3                                               |                                                             | 1615000001          |                       | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)                | 3                                               |                                                             | 1615000001          |                       | Engineering Technology              | Manufacturing                          | 60 credit hours                 |
| Tallahassee State College | TAFLP001                    | Accredited Legal Professional (ALP)                                          | 3                                               |                                                             | 1722030200          |                       | Paralegal Studies (Legal Assisting) | Law, Public Safety & Security          | 64 credit hours                 |
| Tallahassee State College | UNITY001                    | Unity Certified Associate                                                    | 6                                               |                                                             | 1550041100          |                       | Game Development Design             | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | UNITY002                    | Unity Certified User: Programmer                                             | 6                                               |                                                             | 1550041100          |                       | Game Development Design             | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | UNITY005                    | Unity Certified Associate: Artist                                            | 3                                               |                                                             | 1610030400          |                       | Animation and Game Art              | Arts, A/V Technology & Communication   | 60 credit hours                 |
| Tallahassee State College | UNITY005                    | Unity Certified Associate: Artist                                            | 3                                               |                                                             | 1550041100          |                       | Game Development Design             | Information Technology                 | 60 credit hours                 |
| Tallahassee State College | UNITY006                    | Unity Certified Associate: Game Developer                                    | 3                                               |                                                             | 1610030400          |                       | Animation and Game Art              | Arts, A/V Technology & Communication   | 60 credit hours                 |

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|------------------|-----------------------------|-------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|---------------------------------|
| Valencia College | AIOPB001                    | Certified Bookkeeper                                                          | 3                                               | 6                                                           | 1552030201          | “APA 1111C College Accounting<br>ACG 2450C Computer Accounting I “                                                                                                                                                                                             | Accounting Technology               | Business Management and Administration | 60 credit hours                 |
| Valencia College | INTUT001                    | Quickbooks Certified User                                                     | 3                                               |                                                             | 1552030201          | ACG 2450C Computer Accounting I                                                                                                                                                                                                                                | Accounting Technology               | Business Management and Administration | 60 credit hours                 |
| Valencia College | INTUT004                    | Intuit Certified Bookkeeping Professional                                     | 3                                               |                                                             | 1552030201          | APA 1111C College Accounting                                                                                                                                                                                                                                   | Accounting Technology               | Business Management and Administration | 60 credit hours                 |
| Valencia College | ACFAT001                    | Accredited Business Accountant (ABA)                                          | 3                                               |                                                             | 1552030201          | APA 1111C College Accounting                                                                                                                                                                                                                                   | Accounting Technology               | Business Management and Administration | 60 credit hours                 |
| Valencia College | NRFSP001                    | Certified Food Safety Manager                                                 | 3                                               |                                                             | 1612050102          | FOS 2201 Food Service Sanitation Management                                                                                                                                                                                                                    | Baking & Pastry Management          | Hospitality & Tourism                  | 61 credit hours                 |
| Valencia College | NRFSP002                    | HACCP Certification                                                           | 3                                               |                                                             | 1612050102          | FOS 2201 Food Service Sanitation Management                                                                                                                                                                                                                    | Baking & Pastry Management          | Hospitality & Tourism                  | 61 credit hours                 |
| Valencia College | CERHB001                    | Biotechnician Assistant                                                       | 3                                               | 4                                                           | 1341010100          | BSC 1421C Introduction to Biotechnology                                                                                                                                                                                                                        | Biotechnology Laboratory Technology | Health Science                         | 61 credit hours                 |
| Valencia College | ADESK008                    | Autodesk Certified User - Revit                                               | 3                                               |                                                             | 1615100102          | BCN 1303C Building Information Modeling (Revit) with Dynamo                                                                                                                                                                                                    | Building Construction Technology    | Architecture & Construction            | 60 credit hours                 |
| Valencia College | GRBCI002                    | LEED Green Associate                                                          | 2                                               | 3                                                           | 1615100102          | ETC 1251C Engineerring Materials and Processes                                                                                                                                                                                                                 | Building Construction Technology    | Architecture & Construction            | 60 credit hours                 |
| Valencia College | NCCER098                    | NCCER Manufactured Construction Technology - Level 1 (Secondary)              | 3                                               |                                                             | 1615100102          | EDT 1031C Introduction to Construction                                                                                                                                                                                                                         | Building Construction Technology    | Architecture & Construction            | 60 credit hours                 |
| Valencia College | NCCER099                    | NCCER Manufactured Construction Technology - Level 2 (Secondary)              | 3                                               |                                                             | 1615100102          | BCN 1272 Construction Blueprint Reading                                                                                                                                                                                                                        | Building Construction Technology    | Architecture & Construction            | 60 credit hours                 |
| Valencia College | INTUT001                    | Quickbooks Certified User                                                     | 3                                               |                                                             | 1552020102          | ACG 2450C Computer Accounting                                                                                                                                                                                                                                  | Business Administration             | Business Management and Administration | 60 credit hours                 |
| Valencia College | INTUT002                    | Entrepreneurship & Small Business                                             | 3                                               |                                                             | 1552020102          | SBM 1000 Small Business Management                                                                                                                                                                                                                             | Business Administration             | Business Management and Administration | 60 credit hours                 |
| Valencia College | INTUT003                    | Master Entrepreneurship Certification                                         | 3                                               | 9                                                           | 1552020102          | “GEB 1011 Introduction to Business<br>SBM 1000 Small Business Management<br>GEB 2112 Entrepreneurship”                                                                                                                                                         | Business Administration             | Business Management and Administration | 60 credit hours                 |
| Valencia College | SCHRM001                    | SHRM-CP                                                                       | 3                                               | 15                                                          | 1552020102          | “MAN 2300 Intro to Human Resources Management<br>MNA 2329 Case Studies in Human Resources Management<br>MNA 2320 Human Resources Recruitment, Selection and Staffing<br>MNA 2325 Compensation and Benefits Systems<br>MNA 2403 Human Resources Management Law” | Business Administration             | Business Management and Administration | 60 credit hours                 |
| Valencia College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               |                                                             | 1511010307          | CGS 2545C Database Management                                                                                                                                                                                                                                  | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Valencia College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management | 3                                               |                                                             | 1511010307          |                                                                                                                                                                                                                                                                | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Valencia College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                          | 3                                               |                                                             | 1511010307          | COP 1000 Intro to Programming                                                                                                                                                                                                                                  | Computer Information Technology     | Information Technology                 | 60 credit hours                 |
| Valencia College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                      | 3                                               | 6                                                           | 1511010307          | “CET2486C Local Area Networks<br>CTS 1134C Network Essentials”                                                                                                                                                                                                 | Computer Information Technology     | Information Technology                 | 60 credit hours                 |

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|------------------|-----------------------------|---------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------|---------------------------------|
| Valencia College | COMPT009                    | CompTIA Server+                                               | 3                                               | 6                                                           | 1511010307          | “CTS 1131C Computer Maintenance Essentials<br>CTS 1134C Network Essentials”                          | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Valencia College | COMPT018                    | CompTIA Tech+                                                 | 3                                               |                                                             | 1511010307          | CGS2100 Computer Fundamentals and Applications                                                       | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Valencia College | LINPI001                    | Linux Essentials 010                                          | 3                                               |                                                             | 1511010307          | CTS 2321C Linux System Administration                                                                | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Valencia College | ORACL004                    | Oracle Foundations Associate, Java                            | 3                                               | 6                                                           | 1511010307          | “COP 1000 Intro to Programming<br>COP 2500C JAVA Programming”                                        | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Valencia College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist       | 3                                               |                                                             | 1511010307          |                                                                                                      | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Valencia College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist            | 3                                               |                                                             | 1511010307          | COP 2822C Website Development                                                                        | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Valencia College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist | 3                                               |                                                             | 1511010307          |                                                                                                      | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Valencia College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing     | 3                                               |                                                             | 1511010307          | CTS 2145C Cloud Essentials                                                                           | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Valencia College | CISCO029                    | Cisco Certified Support Technician (CCST) Networking          | 3                                               | 6                                                           | 1511010307          | “CTS 1155C Introduction to Customer Service & Help Desk Concepts<br>CTS 1131C Computer Maintenance ” | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Valencia College | KNOWL007                    | .NET Coding Specialist                                        | 3                                               |                                                             | 1511010307          |                                                                                                      | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Valencia College | APPLE021                    | Apple App Development with Swift Certified User               | 3                                               |                                                             | 1511020101          |                                                                                                      | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Valencia College | APPLE022                    | Apple App Development with Swift Associate                    | 3                                               |                                                             | 1511020101          |                                                                                                      | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Valencia College | CERTI003                    | Information Technology Specialist (ITS) - Databases           | 3                                               |                                                             | 1511020101          | CGS 2545C Database Management                                                                        | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Valencia College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript          | 3                                               |                                                             | 1511020101          | COP 1000 Intro to Programming                                                                        | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Valencia College | CERTI012                    | Information Technology Specialist (ITS) - Python              | 3                                               |                                                             | 1511020101          | COP 1000C Introduction to Programming Concepts                                                       | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Valencia College | CERTI013                    | Information Technology Specialist (ITS) – Java                | 3                                               | 6                                                           | 1511020101          | “COP 1000C Programming Concepts<br>COP 2800C Java Programming ”                                      | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Valencia College | COMPT005                    | CompTIA Linux+                                                | 3                                               |                                                             | 1511020101          | CTS 2321C Linux System Administration                                                                | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Valencia College | COMPT018                    | CompTIA Tech+                                                 | 3                                               |                                                             | 1511020101          | CGS2100C Computer Fundamentals and Applications                                                      | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |

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| Valencia College | KNOWL001                    | Python Coding Specialist                                                 | 3                                               |                                                             | 1511020101          | COP 1000 Intro to Programming                                                                                                            | Computer Programming and Analysis  | Information Technology          | 60 credit hours                 |
| Valencia College | KNOWL005                    | C# Coding Specialist                                                     | 3                                               |                                                             | 1511020101          | "COP 1000 Intro to Programming<br>COP 2360C C# Programming"                                                                              | Computer Programming and Analysis  | Information Technology          | 60 credit hours                 |
| Valencia College | KNOWL006                    | C# Coding Apprentice                                                     | 3                                               | 6                                                           | 1511020101          | "COP 1000 Intro to Programming<br>COP 2360C C# Programming"                                                                              | Computer Programming and Analysis  | Information Technology          | 60 credit hours                 |
| Valencia College | OEDGP001                    | PCAP – Certified Associate in Python Programming                         | 3                                               |                                                             | 1511020101          | COP 1000 Intro to Programming                                                                                                            | Computer Programming and Analysis  | Information Technology          | 60 credit hours                 |
| Valencia College | ORACL004                    | Oracle Foundations Associate, Java                                       | 3                                               | 6                                                           | 1511020101          | "COP 1000 Intro to Programming<br>COP 2800C JAVA Programming"                                                                            | Computer Programming and Analysis  | Information Technology          | 60 credit hours                 |
| Valencia College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist                  | 3                                               |                                                             | 1511020101          |                                                                                                                                          | Computer Programming and Analysis  | Information Technology          | 60 credit hours                 |
| Valencia College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                       | 3                                               |                                                             | 1511020101          | COP 2822C Website Development                                                                                                            | Computer Programming and Analysis  | Information Technology          | 60 credit hours                 |
| Valencia College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist            | 3                                               |                                                             | 1511020101          |                                                                                                                                          | Computer Programming and Analysis  | Information Technology          | 60 credit hours                 |
| Valencia College | PROSO032                    | Certified Internet Web (CIW) User Interface Designer                     | 3                                               |                                                             | 1511020101          | CGS 2786C Web Development Tools                                                                                                          | Computer Programming and Analysis  | Information Technology          | 60 credit hours                 |
| Valencia College | ISOGR010                    | TOSA® JavaScript Certified User – Expert Level (Postsecondary)           | 3                                               | 9                                                           | 1511020101          | "COP 1000C Programming Concepts<br>COP 2822C Website Development<br>COP 2830C Scripting Languages "                                      | Computer Programming and Analysis  | Information Technology          | 60 credit hours                 |
| Valencia College | ISOGR011                    | TOSA® Python Certified User – Expert Level (Postsecondary)               | 3                                               | 6                                                           | 1511020101          | "COP 1000C Introduction to Programming Concepts<br>COP 2047C Python Programming"                                                         | Computer Programming and Analysis  | Information Technology          | 60 credit hours                 |
| Valencia College | ADESK002                    | Autodesk Certified User - AutoCAD                                        | 3                                               |                                                             | 1615130202          | ETD 1103C Engineering Graphics with CAD                                                                                                  | Computer-Aided Drafting and Design | Architecture & Construction     | 60 credit hours                 |
| Valencia College | ADESK008                    | Autodesk Certified User - Revit                                          | 3                                               |                                                             | 1615130202          | BCN 1303C Building Information Modeling (Revit) with Dynamo                                                                              | Computer-Aided Drafting and Design | Architecture & Construction     | 60 credit hours                 |
| Valencia College | ADESK021                    | Autodesk Certified Professional - AutoCAD for Design and Drafting        | 3                                               | 6                                                           | 1615130202          | "ETD 1340C Advanced CAD<br>ETD 1103C Engineering Graphics with CAD"                                                                      | Computer-Aided Drafting and Design | Architecture & Construction     | 60 credit hours                 |
| Valencia College | GRBCI002                    | LEED Green Associate                                                     | 3                                               |                                                             | 1615130202          | ETC 1251C Engineerring Materials and Processes                                                                                           | Computer-Aided Drafting and Design | Architecture & Construction     | 60 credit hours                 |
| Valencia College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis | 3                                               | 9                                                           | 1615130202          | "ETD1103C Engineering Graphics with CAD<br>ETD1340C Advanced CAD<br>BCN1303C B.I.M. (Revit) "                                            | Computer-Aided Drafting and Design | Architecture & Construction     | 60 credit hours                 |
| Valencia College | ISOGR007                    | TOSA® Autodesk AutoCAD Certified User - Expert (Postsecondary)           | 3                                               | 6                                                           | 1615130202          | "ETD1103C Engineering Graphics with CAD<br>ETD1340C Advanced CAD"                                                                        | Computer-Aided Drafting and Design | Architecture & Construction     | 60 credit hours                 |
| Valencia College | FDMQA030                    | 911 Public Safety Telecommunicator                                       | 3                                               |                                                             | 1743010302          | CCJ 2930 Selected Topics in Criminal Justice                                                                                             | Criminal Justice Technology        | Law, Public Safety & Security   | 60 credit hours                 |
| Valencia College | FLDLE002                    | Correctional Officer                                                     | 6                                               | 9                                                           | 1743010302          | "CJC 2000 Introduction to Corrections<br>CCJ 2930 Selected Topics in Criminal Justice<br>HSC 1400 First Aid and CPR "                    | Criminal Justice Technology        | Law, Public Safety & Security   | 60 credit hours                 |
| Valencia College | FLDLE003                    | Correctional Probation Officer                                           | 6                                               | 12                                                          | 1743010302          | "CJC 2162 Community Corrections CJL 2102 Criminal Evidence & Procedures<br>CCJ 2930 Selected Topics in CJ<br>HSC 1400 First Aid and CPR" | Criminal Justice Technology        | Law, Public Safety & Security   | 60 credit hours                 |

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|------------------|-----------------------------|------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|---------------------------------|
| Valencia College | FLDLE004                    | Law Enforcement Officer                                                            | 12                                              | 18                                                          | 1743010302          | “CCJ 2022 Contemporary Issues in Criminal Justice<br>CCJ 2930 Selected Topics in Criminal Justice<br>CJE 2600 Criminal Investigations<br>CJL 2102 Criminal Evidence and Procedures<br>CJL 2100 Criminal Law<br>HSC 1400C First Aid and CPR” | Criminal Justice Technology          | Law, Public Safety & Security        | 60 credit hours                 |
| Valencia College | ACFED002                    | Certified Culinarian (CC)                                                          | 3                                               | 9                                                           | 1612050401          | “FOS 2201 Food Service Sanitation Management<br>FSS 1203C Quantity Food Production<br>FSS 2204C Quantity Food Production II”                                                                                                                | Culinary Management                  | Hospitality & Tourism                | 60 credit hours                 |
| Valencia College | NRAEF003                    | Certified Food Protection Manager (ServSafe®)                                      | 3                                               |                                                             | 1612050401          | FOS 2201 Food Service Sanitation Management                                                                                                                                                                                                 | Culinary Management                  | Hospitality & Tourism                | 60 credit hours                 |
| Valencia College | NRFSP001                    | Certified Food Safety Manager                                                      | 2                                               |                                                             | 1612050401          | FOS 2201 Food Service Sanitation Management                                                                                                                                                                                                 | Culinary Management                  | Hospitality & Tourism                | 60 credit hours                 |
| Valencia College | DANBD002                    | Certified Orthodontic Assistant                                                    | 3                                               |                                                             | 1351060200          | “DES 1100 Dental Materials<br>DES 1100L Dental Materials Lab”                                                                                                                                                                               | Dental Hygiene                       | Health Science                       | 88 credit hours                 |
| Valencia College | NCDLT001                    | Certified Dental Technician                                                        | 3                                               |                                                             | 1351060200          | “DES 1100 Dental Materials<br>DES 1100L Dental Materials Lab”                                                                                                                                                                               | Dental Hygiene                       | Health Science                       | 88 credit hours                 |
| Valencia College | PROSO033                    | Certified Internet Web (CIW) Multimedia Specialist                                 | 3                                               |                                                             | 1611080103          | DIG2000 Intro to Digital Media                                                                                                                                                                                                              | Digital Media/ Multimedia Technology | Arts, A/V Technology & Communication | 60 credit hours                 |
| Valencia College | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                       | 3                                               |                                                             | 1611080103          | DIG2109C Digital Imaging Fundamentals                                                                                                                                                                                                       | Digital Media/ Multimedia Technology | Arts, A/V Technology & Communication | 60 credit hours                 |
| Valencia College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher) | 3                                               |                                                             | 1611080103          | DIG2109C Digital Imaging Fundamentals                                                                                                                                                                                                       | Digital Media/ Multimedia Technology | Arts, A/V Technology & Communication | 60 credit hours                 |
| Valencia College | ETAIN008                    | Associate Certified Electronics Technician (CETa)                                  | 3                                               |                                                             | 1615030301          | ETS 2544 Advanced Programmable Logic Controllers                                                                                                                                                                                            | Electronics Engineering Technology   | Manufacturing                        | 68 credit hours                 |
| Valencia College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                         | 6                                               |                                                             | 1615030301          | “EET 1084C Fundamentals of Electronics<br>ETS 2544 Advanced Programmable Logic Controllers”                                                                                                                                                 | Electronics Engineering Technology   | Manufacturing                        | 68 credit hours                 |
| Valencia College | ADESK036                    | Autodesk Certified Expert in CAM for Multi-Axis Milling                            | 3                                               |                                                             | 1615030301          | ETS 2544 Advanced Programmable Logic Controllers                                                                                                                                                                                            | Electronics Engineering Technology   | Manufacturing                        | 68 credit hours                 |
| Valencia College | ADESK037                    | Autodesk Certified Expert in Generative Design for Manufacturing                   | 3                                               |                                                             | 1615030301          | ETS 2544 Advanced Programmable Logic Controllers                                                                                                                                                                                            | Electronics Engineering Technology   | Manufacturing                        | 68 credit hours                 |
| Valencia College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis           | 3                                               |                                                             | 1615030301          | ETS 2544 Advanced Programmable Logic Controllers                                                                                                                                                                                            | Electronics Engineering Technology   | Manufacturing                        | 68 credit hours                 |
| Valencia College | ETAIN012                    | Photonics Technician-Operator (PTO)                                                | 3                                               |                                                             | 1615030301          | ETS 2210C Principles of Photonics                                                                                                                                                                                                           | Electronics Engineering Technology   | Manufacturing                        | 68 credit hours                 |
| Valencia College | ETAIN013                    | Photonics Technician Specialist (PTS)                                              | 3                                               |                                                             | 1615030301          | ETS 2210C Principles of Photonics                                                                                                                                                                                                           | Electronics Engineering Technology   | Manufacturing                        | 68 credit hours                 |
| Valencia College | ETAIN014                    | Photovoltaic Installer (PVI) - Level 1                                             | 3                                               |                                                             | 1615030301          | ETS 2544 Advanced Programmable Logic Controllers                                                                                                                                                                                            | Electronics Engineering Technology   | Manufacturing                        | 68 credit hours                 |
| Valencia College | ETAIN022                    | Specialist in Precision Optics (SPO)                                               | 3                                               |                                                             | 1615030301          | ETS 2544 Advanced Programmable Logic Controllers                                                                                                                                                                                            | Electronics Engineering Technology   | Manufacturing                        | 68 credit hours                 |
| Valencia College | ETAIN023                    | Technician in Precision Optics (TPO)                                               | 3                                               |                                                             | 1615030301          | ETS 2544 Advanced Programmable Logic Controllers                                                                                                                                                                                            | Electronics Engineering Technology   | Manufacturing                        | 68 credit hours                 |

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| Valencia College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification               | 3                                               |                                                             | 1615030301          | ETS 2544 Advanced Programmable Logic Controllers                                                                                                                                                                          | Electronics Engineering Technology        | Manufacturing                   | 68 credit hours                 |
| Valencia College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                   | 3                                               |                                                             | 1615030301          | ETS 2544 Advanced Programmable Logic Controllers                                                                                                                                                                          | Electronics Engineering Technology        | Manufacturing                   | 68 credit hours                 |
| Valencia College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations          | 3                                               |                                                             | 1615030301          | ETS 2544 Advanced Programmable Logic Controllers                                                                                                                                                                          | Electronics Engineering Technology        | Manufacturing                   | 68 credit hours                 |
| Valencia College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations     | 3                                               |                                                             | 1615030301          | ETS 2544 Advanced Programmable Logic Controllers                                                                                                                                                                          | Electronics Engineering Technology        | Manufacturing                   | 68 credit hours                 |
| Valencia College | NREMT001                    | Emergency Medical Technician (EMT)                                       | 9                                               | 12                                                          | 1351090402          | “EMS 1119 Fundamentals of Emergency Medical Technology<br>EMS 1119L Fundamentals of Emergency Medical Technology Practice<br>EMS 1431L Emergency Medical Technician Clinical Practicum”                                   | Emergency Medical Services                | Health Science                  | 73 credit hours                 |
| Valencia College | NCCER215                    | NCCER Electronic Systems Technician - Level 4 (Postsecondary)            | 3                                               |                                                             | 1615170100          | ETM 1602C Automated Electrical Systems and Devices                                                                                                                                                                        | Energy Management and Controls Technology | Energy                          | 60 credit hours                 |
| Valencia College | ADESK011                    | Autodesk Certified User - Inventor                                       | 3                                               |                                                             | 1615000001          | ETD1103C Engineering Graphics with CAD                                                                                                                                                                                    | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | ADESK024                    | Autodesk Certified Professional - Inventor                               | 3                                               |                                                             | 1615000001          | ETD1103C Engineering Graphics with CAD                                                                                                                                                                                    | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | ADESK032                    | Autodesk Certified User - Fusion 360                                     | 3                                               |                                                             | 1615000001          | ETI 1702 Industrial Safety                                                                                                                                                                                                | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | ADESK033                    | Autodesk Certified Associate in CAD for Mechanical Design                | 3                                               |                                                             | 1615000001          | ETD1103C Engineering Graphics with CAD                                                                                                                                                                                    | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | ETAIN008                    | Associate Certified Electronics Technician (CETa)                        | 3                                               |                                                             | 1615000001          | EET1084C Fundamentals of Electronics                                                                                                                                                                                      | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | MSSCN001                    | MSSC Certified Production Technician (CPT)                               | 15                                              | 15                                                          | 1615000001          | “EET 1084C Fundamentals of Electronics<br>ETI 1110 Introduction to Quality Assurance<br>ETI 1701 Industrial Safety<br>ETI 2420 Manufacturing Materials & Processes<br>ETM 2010C Mechanical Measurement & Instrumentation” | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | NIFMS001                    | NIMS Machining - CNC Mill Programming Setup & Operations                 | 1                                               | 3                                                           | 1615000001          | ETI2420 Manufacturing Materials and Processes                                                                                                                                                                             | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | NIFMS002                    | NIMS Machining - CNC Lathe Programming Setup & Operations                | 1                                               | 3                                                           | 1615000001          | ETI2420 Manufacturing Materials and Processes                                                                                                                                                                             | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | NIFMS012                    | NIMS Machining Level II - Grinding Skills II                             | 2                                               | 3                                                           | 1615000001          | ETI2420 Manufacturing Materials and Processes                                                                                                                                                                             | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)               | 3                                               |                                                             | 1615000001          | ETD1103C Engineering Graphics with CAD                                                                                                                                                                                    | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)            | 3                                               |                                                             | 1615000001          | ETD2355C 3D CADD                                                                                                                                                                                                          | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | ADESK035                    | Autodesk Certified Associate in CAM for Turning                          | 3                                               |                                                             | 1615000001          | ETI 1702 Industrial Safety                                                                                                                                                                                                | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | ADESK038                    | Autodesk Certified Professional in CAM for 3 Axis Milling                | 3                                               |                                                             | 1615000001          | ETI 1702 Industrial Safety                                                                                                                                                                                                | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | ADESK039                    | Autodesk Certified Professional in Design for Manufacturing              | 3                                               |                                                             | 1615000001          | ETI 1702 Industrial Safety                                                                                                                                                                                                | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis | 3                                               |                                                             | 1615000001          | ETI 1702 Industrial Safety                                                                                                                                                                                                | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |
| Valencia College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification               | 3                                               |                                                             | 1615000001          | ETI 1702 Industrial Safety                                                                                                                                                                                                | Engineering Technology                    | Manufacturing                   | 60 credit hours                 |

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| Valencia College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                                              | 3                                               |                                                             | 1615000001          | ETI 1702 Industrial Safety                                                                                                                                                                                          | Engineering Technology              | Manufacturing                            | 60 credit hours                 |
| Valencia College | NCCER266                    | NCCER Industrial Maintenance Mechanic Level 4                                                       | 3                                               |                                                             | 1615000001          | ETI 1702 Industrial Safety                                                                                                                                                                                          | Engineering Technology              | Manufacturing                            | 60 credit hours                 |
| Valencia College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations                                     | 3                                               |                                                             | 1615000001          | ETI 1702 Industrial Safety                                                                                                                                                                                          | Engineering Technology              | Manufacturing                            | 60 credit hours                 |
| Valencia College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations                                | 3                                               |                                                             | 1615000001          | ETI 1702 Industrial Safety                                                                                                                                                                                          | Engineering Technology              | Manufacturing                            | 60 credit hours                 |
| Valencia College | SMACA011                    | C-104 Certified Industry 4.0 Associate IV - IIoT Networking & Data Analytics                        | 3                                               |                                                             | 1615000001          | ETI 1702 Industrial Safety                                                                                                                                                                                          | Engineering Technology              | Manufacturing                            | 60 credit hours                 |
| Valencia College | ADOBE023                    | Adobe Certified Professional in Video Design (Requires Premiere Pro and After Effects or Photoshop) | 3                                               |                                                             | 1650060213          | FIL 2552C Film Editing                                                                                                                                                                                              | Film Production Technology          | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Valencia College | FLSFM006                    | Fire Fighter II                                                                                     | 3                                               |                                                             | 1743020112          | FFP 1040 Industrial Fire Fighting                                                                                                                                                                                   | Fire Science Technology             | Law, Public Safety & Security            | 60 credit hours                 |
| Valencia College | FLSFM007                    | Fire Safety Inspector I                                                                             | 12                                              | 15                                                          | 1743020112          | “FFP 1505 Fire Prevention<br>FFP 1540 Private Fire Protection Systems I<br>FFP 2120 Building Construction for the Fire Service<br>FFP 2510 Fire Codes and Standards<br>FFP 2521 Blueprint Reading and Plans Review” | Fire Science Technology             | Law, Public Safety & Security            | 60 credit hours                 |
| Valencia College | FLSFM013                    | Fire Officer I                                                                                      | 12                                              |                                                             | 1743020112          | “FFP 2120 Building Construction for the Fire<br>FFP 2720 Company Officer<br>FFP 2740 Fire Service Course Delivery<br>FFP 2810 Fire Fighting Tactics and Strategy I”                                                 | Fire Science Technology             | Law, Public Safety & Security            | 60 credit hours                 |
| Valencia College | FLSFM014                    | Fire Officer II                                                                                     | 15                                              |                                                             | 1743020112          | “FFP 1505 Fire Prevention<br>FFP 1540 Private Fire Protection Systems I<br>FFP 2741 Fire Service Course Design<br>FFP 2811 Fire Fighting Tactics and Strategy II”                                                   | Fire Science Technology             | Law, Public Safety & Security            | 60 credit hours                 |
| Valencia College | ADOBE024                    | Adobe Certified Professional in Visual Design (Requires Photoshop and Illustrator or InDesign)      | 3                                               |                                                             | 1611080300          | GRA 2201C Electronic Imaging                                                                                                                                                                                        | Graphics Technology                 | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Valencia College | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                                        | 3                                               |                                                             | 1611080300          | GRA 2201C Electronic Imaging                                                                                                                                                                                        | Graphics Technology                 | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Valencia College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher)                  | 3                                               |                                                             | 1611080300          | GRA 2201C Electronic Imaging                                                                                                                                                                                        | Graphics Technology                 | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Valencia College | AMAMA001                    | Certified Medical Assistant (CMA)                                                                   | 3                                               |                                                             | 1351070700          | HSC 1531 Medical Terminology                                                                                                                                                                                        | Health Information Technology       | Health Science                           | 70 credit hours                 |
| Valencia College | PAHCO001                    | Certified Medical Manager (CMM)                                                                     | 3                                               |                                                             | 1351070700          | HSC 1531 Medical Terminology                                                                                                                                                                                        | Health Information Technology       | Health Science                           | 70 credit hours                 |
| Valencia College | ACFED006                    | Certified Fundamentals Cook                                                                         | 3                                               | 6                                                           | 1252090101          | “FOS 2201 Food Service Sanitation Mgmt<br>FSS 1206C Quantity Food Production for Hospitality and Restaurant Managers”                                                                                               | Hospitality & Tourism Management    | Hospitality & Tourism                    | 60 credit hours                 |
| Valencia College | FNGLA001                    | Certified Horticulture Professional                                                                 | 6                                               |                                                             | 1101060502          | “PLS 1010C Introduction to Plant Science<br>ORH 1510C Ornamental Plant Materials I”                                                                                                                                 | Landscape & Horticulture Technology | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Valencia College | FNGLA003                    | FNGLA Certified Landscape Maintenance Technician                                                    | 3                                               | 4                                                           | 1101060502          | ORH 1234C Ornamental Plant Maintenance                                                                                                                                                                              | Landscape & Horticulture Technology | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Valencia College | FNGLA004                    | FNGLA Certified Landscape Technician                                                                | 3                                               | 4                                                           | 1101060502          | ORH 2840C Landscape Construction                                                                                                                                                                                    | Landscape & Horticulture Technology | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Valencia College | AMEDT004                    | Registered Medical Assistant (RMA)                                                                  | 3                                               | 12                                                          | 1551070500          | “OST 1257 Medical Terminology for the Office<br>OST 1611 Medical Transcription I<br>OST 2464 Medisoft Patient Accounting<br>OST 2854 Microsoft Office Applications “                                                | Medical Office Administration       | Business Management and Administration   | 60 credit hours                 |

| INSTITUTION      | INDUSTRY<br>CERTIFICATION<br>CODE | INDUSTRY CERTIFICATION TITLE                                                                                                                                 | NUMBER<br>OF CREDITS<br>ARTICULATED<br>PER GOLD<br>STANDARD | NUMBER<br>OF CREDITS<br>ARTICULATED BY<br>INSTITUTION/<br>CAREER CENTER | 10-DIGIT CIP<br>NUMBER | COLLEGE CREDIT COURSE                                                                                                                           | ASSOCIATE DEGREE<br>PROGRAM                 | ASSOCIATE DEGREE<br>CAREER CLUSTER           | ASSOCIATE DEGREE<br>PROGRAM LENGTH |
|------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------|------------------------------------|
| Valencia College | NATHA009                          | Certified Clinical Medical Assistant (CCMA)                                                                                                                  | 3                                                           | 9                                                                       | 1551070500             | “OST 1257C Medical Terminology for the Office<br>OST 2854C Microsoft Office<br>OST 1355C Records Management and Legal Implications”             | Medical Office<br>Administration            | Business<br>Management and<br>Administration | 60 credit hours                    |
| Valencia College | NCFCT007                          | National Certified Medical Office Assistant<br>(NCMOA)                                                                                                       | 6                                                           | 9                                                                       | 1551070500             | “OST1257C Medical Term<br>OST2464C Medisoft<br>OST2854C Microsoft Office”                                                                       | Medical Office<br>Administration            | Business<br>Management and<br>Administration | 60 credit hours                    |
| Valencia College | ENTCP001                          | ETCP Certified Entertainment Electrician                                                                                                                     | 3                                                           |                                                                         | 1650091300             | These don't apply to Music and Sound Production                                                                                                 | Music and Sound<br>Production<br>Technology | Arts, A/V Technology<br>& Communication      | 64 credit hours                    |
| Valencia College | ENTCP003                          | ETCP Certified Rigger – Theatre                                                                                                                              | 3                                                           |                                                                         | 1650091300             | These don't apply to Music and Sound Production                                                                                                 | Music and Sound<br>Production<br>Technology | Arts, A/V Technology<br>& Communication      | 64 credit hours                    |
| Valencia College | APPLE002                          | Apple Certified Technical Coordinator                                                                                                                        | 2                                                           |                                                                         | 1511100112             |                                                                                                                                                 | Network Systems<br>Technology               | Information<br>Technology                    | 60 credit hours                    |
| Valencia College | APPLE019                          | Apple Certified Support Professional                                                                                                                         | 2                                                           |                                                                         | 1511100112             |                                                                                                                                                 | Network Systems<br>Technology               | Information<br>Technology                    | 60 credit hours                    |
| Valencia College | CERTI014                          | Information Technology Specialist (ITS) -<br>Cloud Computing                                                                                                 | 3                                                           |                                                                         | 1511100112             | CTS 2145C Cloud Essentials                                                                                                                      | Network Systems<br>Technology               | Information<br>Technology                    | 60 credit hours                    |
| Valencia College | CISCO026                          | Cisco Certified Network Associate (CCNA)                                                                                                                     | 6                                                           | 9                                                                       | 1511100112             | “CET2486C Local Area Networks<br>CET 1610C Intro to Routing<br>CET 2615C Routing and Switching”                                                 | Network Systems<br>Technology               | Information<br>Technology                    | 60 credit hours                    |
| Valencia College | COMPT007                          | CompTIA Project+                                                                                                                                             | 3                                                           |                                                                         | 1511100112             |                                                                                                                                                 | Network Systems<br>Technology               | Information<br>Technology                    | 60 credit hours                    |
| Valencia College | COMPT009                          | CompTIA Server+                                                                                                                                              | 3                                                           |                                                                         | 1511100112             | CET 2792C Installing and Configuring Windows Server                                                                                             | Network Systems<br>Technology               | Information<br>Technology                    | 60 credit hours                    |
| Valencia College | COMPT018                          | CompTIA Tech+                                                                                                                                                | 3                                                           |                                                                         | 1511100112             |                                                                                                                                                 | Network Systems<br>Technology               | Information<br>Technology                    | 60 credit hours                    |
| Valencia College | ICOEC006                          | EC-Council Ethical Hacker Associate                                                                                                                          | 3                                                           | 6                                                                       | 1511100112             | “CET 2830C Information Security<br>CET 2892 Ethical Hacking”                                                                                    | Network Systems<br>Technology               | Information<br>Technology                    | 60 credit hours                    |
| Valencia College | LINPI001                          | Linux Essentials 010                                                                                                                                         | 3                                                           |                                                                         | 1511100112             | CET 2660 Linux Networking & Security                                                                                                            | Network Systems<br>Technology               | Information<br>Technology                    | 60 credit hours                    |
| Valencia College | CISCO028                          | Cisco Certified Support Technician (CCST)<br>Cybersecurity                                                                                                   | 3                                                           | 6                                                                       | 1511100112             | “CET 2486C Local Area Networks(<br>CET 1610C Cisco Router Technology “                                                                          | Network Systems<br>Technology               | Information<br>Technology                    | 60 credit hours                    |
| Valencia College | NCSBN002                          | National Licensed Practical Nurse (NCLEX-PN)                                                                                                                 | 10                                                          | 10                                                                      | 1351380100             | NUR 2943 Experiential Learning in Nursing                                                                                                       | Nursing R.N.                                | Health Science                               | 60 credit hours                    |
| Valencia College | MICRO017                          | Microsoft Office Specialist Master: Microsoft<br>Office 2016 Master Specialist (Requires Word<br>Expert, Excel Expert, PowerPoint, and Access<br>or Outlook) | 3                                                           |                                                                         | 1552020401             | OST 2854C Microsoft Office                                                                                                                      | Office Administration                       | Business<br>Management and<br>Administration | 60 credit hours                    |
| Valencia College | TAFLP001                          | Accredited Legal Professional (ALP)                                                                                                                          | 3                                                           | 6                                                                       | 1552020401             | “OST 1335C Business Communications<br>OST 1355C Records Management and Legal Implications”                                                      | Office Administration                       | Business<br>Management and<br>Administration | 60 credit hours                    |
| Valencia College | TAFLP002                          | Professional Legal Secretary (PLS)                                                                                                                           | 9                                                           | 12                                                                      | 1552020401             | “OST 1100 Keyboarding 1<br>OST 1110C Keyboarding 2<br>OST 1355C Records Management and Legal Implications<br>OST 1335C Business Communications” | Office Administration                       | Business<br>Management and<br>Administration | 60 credit hours                    |
| Valencia College | TAFLP001                          | Accredited Legal Professional (ALP)                                                                                                                          | 3                                                           |                                                                         | 1722030200             | PLA 1003 - Introduction to Legal Practices and Ethics                                                                                           | Paralegal Studies<br>(Legal Assisting)      | Law, Public Safety &<br>Security             | 64 credit hours                    |
| Valencia College | NAOLA002                          | Certified Paralegal/Certified Legal Assistant<br>(CP/CLA)                                                                                                    | 3                                                           |                                                                         | 1722030200             | PLA 1003 - Introduction to Legal Practices and Ethics                                                                                           | Paralegal Studies<br>(Legal Assisting)      | Law, Public Safety &<br>Security             | 64 credit hours                    |
| Valencia College | FDMQA001                          | Basic X-Ray Machine Operator                                                                                                                                 | 3                                                           |                                                                         | 1351091100             | HSC 1531 Medical Terminology                                                                                                                    | Radiography                                 | Health Science                               | 77 credit hours                    |
| Valencia College | ENTCP001                          | ETCP Certified Entertainment Electrician                                                                                                                     | 3                                                           | 6                                                                       | 1650050202             | “TPA 2290C Technical Theater Production<br>TPA 2292C Advanced Technical Production”                                                             | Theater and<br>Entertainment<br>Technology  | Arts, A/V Technology<br>& Communication      | 64 credit hours                    |
| Valencia College | ENTCP003                          | ETCP Certified Rigger – Theatre                                                                                                                              | 3                                                           | 6                                                                       | 1650050202             | “TPA 2290C Technical Theater Production<br>TPA 2292C Advanced Technical Production”                                                             | Theater and<br>Entertainment<br>Technology  | Arts, A/V Technology<br>& Communication      | 64 credit hours                    |

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|-----------------|-----------------------------|-------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|------------------------------------------------------|------------------------------------------------|------------------------------------------|---------------------------------|
| Broward College | ABAYC003                    | Marine Electrical Certification                                   | 3                                               |                                                             | 0647060500          |                                                      | Marine Engineering, Management & Seamanship    | Transportation, Distribution & Logistics | 66 credit hours                 |
| Broward College | ACFAT001                    | Accredited Business Accountant (ABA)                              | 3                                               |                                                             | 1552030201          |                                                      | Accounting Technology                          | Business Management and Administration   | 60 credit hours                 |
| Broward College | ACFED002                    | Certified Culinarian (CC)                                         | 3                                               |                                                             | 1612050401          |                                                      | Culinary Management                            | Hospitality & Tourism                    | 60 credit hours                 |
| Broward College | ACFED002                    | Certified Culinarian (CC)                                         | 6                                               |                                                             | 1252090501          |                                                      | Restaurant Management                          | Hospitality & Tourism                    | 60 credit hours                 |
| Broward College | ACFED006                    | Certified Fundamentals Cook                                       | 3                                               |                                                             | 1252090101          |                                                      | Hospitality & Tourism Management               | Hospitality & Tourism                    | 60 credit hours                 |
| Broward College | ACOSM001                    | Certified Survey Technician (CST)                                 | 3                                               |                                                             | 1715020101          |                                                      | Civil Engineering Technology                   | Architecture & Construction              | 60 credit hours                 |
| Broward College | ADESK002                    | Autodesk Certified User - AutoCAD                                 | 3                                               |                                                             | 1604090100          |                                                      | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Broward College | ADESK002                    | Autodesk Certified User - AutoCAD                                 | 3                                               |                                                             | 1615130202          |                                                      | Computer-Aided Drafting and Design             | Architecture & Construction              | 60 credit hours                 |
| Broward College | ADESK008                    | Autodesk Certified User - Revit                                   | 3                                               |                                                             | 1604090100          |                                                      | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Broward College | ADESK008                    | Autodesk Certified User - Revit                                   | 3                                               | 4                                                           | 1615100102          | BCN2253C - Building Construction Drawing (4 credits) | Building Construction Technology               | Architecture & Construction              | 60 credit hours                 |
| Broward College | ADESK008                    | Autodesk Certified User - Revit                                   | 3                                               |                                                             | 1615130202          |                                                      | Computer-Aided Drafting and Design             | Architecture & Construction              | 60 credit hours                 |
| Broward College | ADESK011                    | Autodesk Certified User - Inventor                                | 3                                               |                                                             | 1615000001          |                                                      | Engineering Technology                         | Manufacturing                            | 60 credit hours                 |
| Broward College | ADESK021                    | Autodesk Certified Professional - AutoCAD for Design and Drafting | 3                                               |                                                             | 1615130202          |                                                      | Computer-Aided Drafting and Design             | Architecture & Construction              | 60 credit hours                 |
| Broward College | ADESK023                    | Autodesk Certified Professional - AutoCAD Civil 3D                | 3                                               |                                                             | 1715020101          |                                                      | Civil Engineering Technology                   | Architecture & Construction              | 60 credit hours                 |
| Broward College | ADESK024                    | Autodesk Certified Professional - Inventor                        | 3                                               |                                                             | 1615000001          |                                                      | Engineering Technology                         | Manufacturing                            | 60 credit hours                 |
| Broward College | ADESK025                    | Autodesk Certified Professional - Revit Architecture              | 3                                               |                                                             | 1604090100          |                                                      | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Broward College | ADESK030                    | Autodesk Certified User - Maya                                    | 9                                               |                                                             | 1550041100          |                                                      | Game Development Design                        | Information Technology                   | 60 credit hours                 |
| Broward College | ADESK032                    | Autodesk Certified User - Fusion 360                              | 3                                               |                                                             | 1615000001          |                                                      | Engineering Technology                         | Manufacturing                            | 60 credit hours                 |
| Broward College | ADESK033                    | Autodesk Certified Associate in CAD for Mechanical Design         | 3                                               |                                                             | 1615000001          |                                                      | Engineering Technology                         | Manufacturing                            | 60 credit hours                 |
| Broward College | ADESK035                    | Autodesk Certified Associate in CAM for Turning                   | 3                                               |                                                             | 1615000001          |                                                      | Engineering Technology                         | Manufacturing                            | 60 credit hours                 |
| Broward College | ADESK036                    | Autodesk Certified Expert in CAM for Multi-Axis Milling           | 3                                               |                                                             | 1615030301          |                                                      | Electronics Engineering Technology             | Manufacturing                            | 68 credit hours                 |
| Broward College | ADESK037                    | Autodesk Certified Expert in Generative Design for Manufacturing  | 3                                               |                                                             | 1615030301          |                                                      | Electronics Engineering Technology             | Manufacturing                            | 68 credit hours                 |
| Broward College | ADESK038                    | Autodesk Certified Professional in CAM for 3 Axis Milling         | 3                                               |                                                             | 1615000001          |                                                      | Engineering Technology                         | Manufacturing                            | 60 credit hours                 |

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|-----------------|-----------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------|---------------------------------|
| Broward College | ADESK039                    | Autodesk Certified Professional in Design for Manufacturing                                         | 3                                               |                                                             | 1615000001          |                                                                                                                                      | Engineering Technology                         | Manufacturing                            | 60 credit hours                 |
| Broward College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                            | 3                                               |                                                             | 1604090100          |                                                                                                                                      | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Broward College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                            | 3                                               |                                                             | 1615130202          |                                                                                                                                      | Computer-Aided Drafting and Design             | Architecture & Construction              | 60 credit hours                 |
| Broward College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                            | 3                                               |                                                             | 1615000001          |                                                                                                                                      | Engineering Technology                         | Manufacturing                            | 60 credit hours                 |
| Broward College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                            | 3                                               |                                                             | 1615030301          |                                                                                                                                      | Electronics Engineering Technology             | Manufacturing                            | 68 credit hours                 |
| Broward College | ADOBE023                    | Adobe Certified Professional in Video Design (Requires Premiere Pro and After Effects or Photoshop) | 3                                               | 6                                                           | 1650060213          | "FIL2473C-VISUAL EFFECTS FUNDAMENTALS (3 credits)<br>FIL1552C-FILM EDITING FUNDAMENTALS (3 credits)"                                 | Film Production Technology                     | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Broward College | ADOBE023                    | Adobe Certified Professional in Video Design (Requires Premiere Pro and After Effects or Photoshop) | 4                                               |                                                             | 1610020202          |                                                                                                                                      | Radio and Television Broadcasting              | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Broward College | ADOBE024                    | Adobe Certified Professional in Visual Design (Requires Photoshop and Illustrator or InDesign)      | 3                                               | 6                                                           | 1611080300          | "PGY1801C-PHOTOSHOP DESIGN ( 3 credits)<br>GRA1151C-ILLUSTRATION DESIGN 1 (3 credits) OR<br>GRA2121C-PUBLICATION DESIGN (3 credits)" | Graphics Technology                            | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Broward College | ADOBE025                    | Adobe Certified Professional in Web Design (Requires Dreamweaver and Animate or Photoshop)          | 3                                               |                                                             | 1511100400          |                                                                                                                                      | Internet Services Technology                   | Information Technology                   | 60 credit hours                 |
| Broward College | AIOPB001                    | Certified Bookkeeper                                                                                | 3                                               |                                                             | 1552030201          |                                                                                                                                      | Accounting Technology                          | Business Management and Administration   | 60 credit hours                 |
| Broward College | AMAMA001                    | Certified Medical Assistant (CMA)                                                                   | 3                                               |                                                             | 1351070700          |                                                                                                                                      | Health Information Technology                  | Health Science                           | 70 credit hours                 |
| Broward College | AMAMA001                    | Certified Medical Assistant (CMA)                                                                   | 3                                               |                                                             | 1351070101          |                                                                                                                                      | Health Services Management                     | Health Science                           | 60 credit hours                 |
| Broward College | AMDDA002                    | Certified Apprentice Drafter - Architectural                                                        | 3                                               |                                                             | 1604090100          |                                                                                                                                      | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Broward College | AMEDT004                    | Registered Medical Assistant (RMA)                                                                  | 3                                               |                                                             | 1351070101          |                                                                                                                                      | Health Services Management                     | Health Science                           | 60 credit hours                 |
| Broward College | AMEDT004                    | Registered Medical Assistant (RMA)                                                                  | 3                                               |                                                             | 1551070500          |                                                                                                                                      | Medical Office Administration                  | Business Management and Administration   | 60 credit hours                 |
| Broward College | AMEDT005                    | Registered Phlebotomy Technician (RPT)                                                              | 3                                               |                                                             | 1351100405          |                                                                                                                                      | Medical Laboratory Technology                  | Health Science                           | 76 credit hours                 |
| Broward College | AMEDT006                    | Medical Laboratory Assistant (CMLA)                                                                 | 4                                               |                                                             | 1351100405          |                                                                                                                                      | Medical Laboratory Technology                  | Health Science                           | 76 credit hours                 |
| Broward College | AMSPT002                    | Certified Phlebotomy Technician                                                                     | 1                                               |                                                             | 1351100405          |                                                                                                                                      | Medical Laboratory Technology                  | Health Science                           | 76 credit hours                 |
| Broward College | AMSTL004                    | Professional Designation in Supply Chain Management (PLS)                                           | 3                                               |                                                             | 1652020901          |                                                                                                                                      | Supply Chain Management                        | Transportation, Distribution & Logistics | 60 credit hours                 |
| Broward College | APPLE002                    | Apple Certified Technical Coordinator                                                               | 2                                               |                                                             | 1511100112          |                                                                                                                                      | Network Systems Technology                     | Information Technology                   | 60 credit hours                 |
| Broward College | APPLE019                    | Apple Certified Support Professional                                                                | 2                                               |                                                             | 1511100112          |                                                                                                                                      | Network Systems Technology                     | Information Technology                   | 60 credit hours                 |
| Broward College | APPLE020                    | Apple Certified Pro (ACP) - Final Cut Pro X                                                         | 3                                               |                                                             | 1609070213          |                                                                                                                                      | Digital Television and Media Production        | Arts, A/V Technology & Communication     | 60 credit hours                 |

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|-----------------|-----------------------------|-------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------------------------------|------------------------------------------------|--------------------------------------|---------------------------------|
| Broward College | APPLE020                    | Apple Certified Pro (ACP) - Final Cut Pro X                                   | 8                                               |                                                             | 1610020202          |                                             | Radio and Television Broadcasting              | Arts, A/V Technology & Communication | 64 credit hours                 |
| Broward College | APPLE021                    | Apple App Development with Swift Certified User                               | 3                                               |                                                             | 1511020101          |                                             | Computer Programming and Analysis              | Information Technology               | 60 credit hours                 |
| Broward College | APPLE022                    | Apple App Development with Swift Associate                                    | 3                                               |                                                             | 1511020101          |                                             | Computer Programming and Analysis              | Information Technology               | 60 credit hours                 |
| Broward College | CARCH002                    | Chief Architect Certified Apprentice                                          | 3                                               |                                                             | 1604090100          |                                             | Architectural Design & Construction Technology | Architecture & Construction          | 66 credit hours                 |
| Broward College | CERHB001                    | Biotechnician Assistant                                                       | 3                                               |                                                             | 1341010100          |                                             | Biotechnology Laboratory Technology            | Health Science                       | 61 credit hours                 |
| Broward College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               |                                                             | 1511010307          |                                             | Computer Information Technology                | Information Technology               | 60 credit hours                 |
| Broward College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               |                                                             | 1511020101          |                                             | Computer Programming and Analysis              | Information Technology               | 60 credit hours                 |
| Broward College | CERTI008                    | Information Technology Specialist (ITS) - HTML5 Application Development       | 3                                               |                                                             | 1511100400          |                                             | Internet Services Technology                   | Information Technology               | 60 credit hours                 |
| Broward College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management | 3                                               |                                                             | 1511010307          |                                             | Computer Information Technology                | Information Technology               | 60 credit hours                 |
| Broward College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management | 3                                               |                                                             | 1511080200          |                                             | Database Technology                            | Information Technology               | 60 credit hours                 |
| Broward College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                          | 3                                               |                                                             | 1511010307          |                                             | Computer Information Technology                | Information Technology               | 60 credit hours                 |
| Broward College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                          | 3                                               | 4                                                           | 1511020101          | CTS2852C- CLIENT-SIDE SCRIPTING (4 credits) | Computer Programming and Analysis              | Information Technology               | 60 credit hours                 |
| Broward College | CERTI012                    | Information Technology Specialist (ITS) - Python                              | 3                                               |                                                             | 1511020101          |                                             | Computer Programming and Analysis              | Information Technology               | 60 credit hours                 |
| Broward College | CERTI012                    | Information Technology Specialist (ITS) - Python                              | 3                                               |                                                             | 1511100308          |                                             | Cybersecurity                                  | Information Technology               | 60 credit hours                 |
| Broward College | CERTI013                    | Information Technology Specialist (ITS) – Java                                | 3                                               |                                                             | 1511020101          |                                             | Computer Programming and Analysis              | Information Technology               | 60 credit hours                 |
| Broward College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                     | 3                                               |                                                             | 1511010307          |                                             | Computer Information Technology                | Information Technology               | 60 credit hours                 |
| Broward College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                     | 3                                               |                                                             | 1511100112          |                                             | Network Systems Technology                     | Information Technology               | 60 credit hours                 |
| Broward College | CISCO005                    | Cisco Certified Network Professional (CCNP)                                   | 12                                              |                                                             | 1615120100          |                                             | Computer Engineering Technology                | Manufacturing                        | 68 credit hours                 |
| Broward College | CISCO005                    | Cisco Certified Network Professional (CCNP)                                   | 12                                              |                                                             | 1615030302          |                                             | Telecommunication Engineering Technology       | Arts, A/V Technology & Communication | 64 credit hours                 |
| Broward College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                      | 3                                               | 4                                                           | 1511010307          | CTS1661C- CISCO CCNA1 (4 credits)           | Computer Information Technology                | Information Technology               | 60 credit hours                 |

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|-----------------|-----------------------------|---------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|---------------------------------|
| Broward College | CISCO026                    | Cisco Certified Network Associate (CCNA)                | 3                                               | 4                                                           | 1511100307          | CTS1661C- CISCO CCNA1 (4 credits)                                                                             | IT Security                       | Information Technology                   | 60 credit hours                 |
| Broward College | CISCO026                    | Cisco Certified Network Associate (CCNA)                | 6                                               | 12                                                          | 1511100112          | "CTS1661C- CISCO CCNA1 (4 credits)<br>CNT2111C- CISCO CCNA2 (4 credits)<br>CNT2112C- CISCO CCNA3 (4 credits)" | Network Systems Technology        | Information Technology                   | 60 credit hours                 |
| Broward College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity | 3                                               |                                                             | 1511100112          |                                                                                                               | Network Systems Technology        | Information Technology                   | 60 credit hours                 |
| Broward College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity | 3                                               |                                                             | 1511100307          |                                                                                                               | IT Security                       | Information Technology                   | 60 credit hours                 |
| Broward College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity | 3                                               |                                                             | 1511100300          |                                                                                                               | Cybersecurity Operations          | Information Technology                   | 60 credit hours                 |
| Broward College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity | 3                                               |                                                             | 1511100308          |                                                                                                               | Cybersecurity                     | Information Technology                   | 60 credit hours                 |
| Broward College | CISCO029                    | Cisco Certified Support Technician (CCST) Networking    | 3                                               |                                                             | 1511010307          |                                                                                                               | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Broward College | COMPT001                    | CompTIA A+                                              | 6                                               |                                                             | 1615120100          |                                                                                                               | Computer Engineering Technology   | Manufacturing                            | 68 credit hours                 |
| Broward College | COMPT005                    | CompTIA Linux+                                          | 3                                               | 4                                                           | 1511020101          | CTS1111C- LINUX + (4 credits)                                                                                 | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |
| Broward College | COMPT006                    | CompTIA Network+                                        | 3                                               |                                                             | 1615120100          |                                                                                                               | Computer Engineering Technology   | Manufacturing                            | 68 credit hours                 |
| Broward College | COMPT007                    | CompTIA Project+                                        | 3                                               | 4                                                           | 1511100112          | CIS1513C - Project Management (4 credits                                                                      | Network Systems Technology        | Information Technology                   | 60 credit hours                 |
| Broward College | COMPT007                    | CompTIA Project+                                        | 3                                               |                                                             | 1652020901          |                                                                                                               | Supply Chain Management           | Transportation, Distribution & Logistics | 60 credit hours                 |
| Broward College | COMPT007                    | CompTIA Project+                                        | 3                                               | 4                                                           | 1511100509          | CIS1513C - Project Management (4 credits                                                                      | Technology Project Management     | Information Technology                   | 60 credit hours                 |
| Broward College | COMPT008                    | CompTIA Security+                                       | 3                                               |                                                             | 1511100308          |                                                                                                               | Cybersecurity                     | Information Technology                   | 60 credit hours                 |
| Broward College | COMPT008                    | CompTIA Security+                                       | 3                                               |                                                             | 1511100300          |                                                                                                               | Cybersecurity Operations          | Information Technology                   | 60 credit hours                 |
| Broward College | COMPT008                    | CompTIA Security+                                       | 3                                               |                                                             | 1552120107          |                                                                                                               | E-Business Technology             | Information Technology                   | 60 credit hours                 |
| Broward College | COMPT008                    | CompTIA Security+                                       | 3                                               | 4                                                           | 1511100307          | CTS2120C - Security + (4 credits)                                                                             | IT Security                       | Information Technology                   | 60 credit hours                 |
| Broward College | COMPT009                    | CompTIA Server+                                         | 3                                               |                                                             | 1615120100          |                                                                                                               | Computer Engineering Technology   | Manufacturing                            | 68 credit hours                 |
| Broward College | COMPT009                    | CompTIA Server+                                         | 3                                               |                                                             | 1511010307          |                                                                                                               | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Broward College | COMPT009                    | CompTIA Server+                                         | 3                                               |                                                             | 1511100112          |                                                                                                               | Network Systems Technology        | Information Technology                   | 60 credit hours                 |
| Broward College | COMPT018                    | CompTIA Tech+                                           | 3                                               |                                                             | 1511010307          |                                                                                                               | Computer Information Technology   | Information Technology                   | 60 credit hours                 |
| Broward College | COMPT018                    | CompTIA Tech+                                           | 3                                               |                                                             | 1511020101          |                                                                                                               | Computer Programming and Analysis | Information Technology                   | 60 credit hours                 |

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|-----------------|-----------------------------|---------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------|---------------------------------|
| Broward College | COMPT018                    | CompTIA Tech+                                     | 3                                               |                                                             | 1530700100          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Data Science Technology                    | Information Technology               | 60 credit hours                 |
| Broward College | COMPT018                    | CompTIA Tech+                                     | 3                                               |                                                             | 1511100112          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Network Systems Technology                 | Information Technology               | 60 credit hours                 |
| Broward College | CPREC001                    | Child Development Associate (CDA)                 | 9                                               |                                                             | 1413121004          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Early Childhood Education                  | Education and Training               | 60 credit hours                 |
| Broward College | CPREC001                    | Child Development Associate (CDA)                 | 9                                               |                                                             | 1419070802          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Early Childhood Management                 | Education and Training               | 60 credit hours                 |
| Broward College | DANBD001                    | Certified Dental Assistant (CDA)                  | 5                                               | 50                                                          | 1351060104          | “DEA1000-Introduction Dental Practice/ Assisting introduction to dentistry (3 credit hours)<br>DES1020- Dental Anatomy and Physiology (3 credit hours)<br>DEA1030- Pre-Clinical (4 credit hours)<br>DEA1030L- Pre-Clinical Laboratory (2 credit hours)<br>DES1100- Dental Materials (2 credit hours)<br>DES1100L- Dental Materials Lab (1 credit hour.)<br>DES1840C- Preventive Dentistry (2 credit hours)<br>DES1200- Dental Radiography (3 credit hours)<br>DES1200L- Dental Radiography Lab (1 credit hour)<br>DES1832- Expanded Functions (1 credit hour)<br>DES1832L-Expanded Function 1 Laboratory (1 credit hour)<br>DES1833- Expanded Functions II (2 credit hours)<br>DES1833L-Expanded Functions II Lab (1 credit hour)<br>DES1805- Clinical Procedures I (2 credit hours)<br>DES1805L-Clinical Procedures I Lab (1 credit hour)<br>DEA1940L-Clinical Practice I (2 credit hours)<br>DEA1131- Allied Dental Theory (2 credit hours)<br>DES1502- Dental Office Management (2 credit hours)<br>BSC1084-Basic Anatomy and Physiology (3 credit hours) OR<br>DES1404-Basic Anatomy and Physiology (3 credit hours)<br>DEA1155-Dental Psychology (2 credit hours)<br>DEA1936-Dental Seminar (1 credit hour.)<br>DEA1941L-Clinical Practice II ( 3 credit hours)<br>HSC1531-Medical Terminology (3 credit hours)<br>• CHM1032-Chemistry for Health Sciences (3 credit hours)” | Dental Assisting Technology and Management | Health Science                       | 70 credit hours                 |
| Broward College | DANBD002                    | Certified Orthodontic Assistant                   | 3                                               |                                                             | 1351060104          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Dental Assisting Technology and Management | Health Science                       | 70 credit hours                 |
| Broward College | DANBD002                    | Certified Orthodontic Assistant                   | 3                                               |                                                             | 1351060200          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Dental Hygiene                             | Health Science                       | 88 credit hours                 |
| Broward College | ENTCP001                    | ETCP Certified Entertainment Electrician          | 3                                               |                                                             | 1650091300          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Music and Sound Production Technology      | Arts, A/V Technology & Communication | 64 credit hours                 |
| Broward College | ENTCP001                    | ETCP Certified Entertainment Electrician          | 3                                               |                                                             | 1650050202          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Theater and Entertainment Technology       | Arts, A/V Technology & Communication | 64 credit hours                 |
| Broward College | ENTCP003                    | ETCP Certified Rigger – Theatre                   | 3                                               |                                                             | 1650091300          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Music and Sound Production Technology      | Arts, A/V Technology & Communication | 64 credit hours                 |
| Broward College | ENTCP003                    | ETCP Certified Rigger – Theatre                   | 3                                               |                                                             | 1650050202          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Theater and Entertainment Technology       | Arts, A/V Technology & Communication | 64 credit hours                 |
| Broward College | ETAIN008                    | Associate Certified Electronics Technician (CETa) | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Electronics Engineering Technology         | Manufacturing                        | 68 credit hours                 |
| Broward College | ETAIN008                    | Associate Certified Electronics Technician (CETa) | 3                                               |                                                             | 1615000001          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Engineering Technology                     | Manufacturing                        | 60 credit hours                 |
| Broward College | ETAIN012                    | Photonics Technician-Operator (PTO)               | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Electronics Engineering Technology         | Manufacturing                        | 68 credit hours                 |

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|-----------------|-----------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------|---------------------------------|
| Broward College | ETAIN013                    | Photonics Technician Specialist (PTS)                                                            | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Electronics Engineering Technology  | Manufacturing                            | 68 credit hours                 |
| Broward College | ETAIN014                    | Photovoltaic Installer (PVI) - Level 1                                                           | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Electronics Engineering Technology  | Manufacturing                            | 68 credit hours                 |
| Broward College | ETAIN022                    | Specialist in Precision Optics (SPO)                                                             | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Electronics Engineering Technology  | Manufacturing                            | 68 credit hours                 |
| Broward College | ETAIN023                    | Technician in Precision Optics (TPO)                                                             | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Electronics Engineering Technology  | Manufacturing                            | 68 credit hours                 |
| Broward College | FDMQA001                    | Basic X-Ray Machine Operator                                                                     | 3                                               |                                                             | 1351091100          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Radiography                         | Health Science                           | 77 credit hours                 |
| Broward College | FDMQA030                    | 911 Public Safety Telecommunicator                                                               | 3                                               |                                                             | 1743010302          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Criminal Justice Technology         | Law, Public Safety & Security            | 60 credit hours                 |
| Broward College | FEDAA004                    | FAA Aviation Mechanic Technician - Airframe                                                      | 36                                              |                                                             | 1649010401          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Aviation Maintenance Management     | Transportation, Distribution & Logistics | 83 credit hours                 |
| Broward College | FEDAA004 and FEDAA010       | FAA Aviation Mechanic Technician - Airframe and FAA Aviation Maintenance Technician - Powerplant | 24                                              |                                                             | 1647060700          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Aviation Maintenance Administration | Transportation, Distribution & Logistics | 60 credit hours                 |
| Broward College | FEDAA005                    | FAA Certified Flight Instructor License                                                          | 3                                               | 30                                                          | 1649010200          | "ASC1100 -NAVIGATIONAL SCIENCE I (3 credits)<br>ASC1210 -AVIATION WEATHER (3 credits)<br>ATF1100C - PRIVATE FLIGHT TRAINING (3 credits)<br>ATF2204 - COMMERCIAL FLIGHT INSTRUCTION (3 credits)<br>ATF2205 - COMPLEX FLIGHT INSTRUCTION (3 credits)<br><br>ATF2305 - INSTRUMENT FLIGHT INSTRUCTION (3 credits)<br>ATF2500- CERTIFIED FLIGHT INSTRUCTOR TRAINING (2 credits)<br>ATF2600L - INSTRUMENT FLIGHT SIMULATOR TRAINING (1 credit)<br>ATT1100 - AERONAUTICAL SCIENCE (3 credits)<br>ATT2110 -COMMERCIAL FLIGHT THEORY (3 credits)<br>ATT2120 -INSTRUMENT FLIGHT THEORY (3 credits)" | Professional Pilot Technology       | Transportation, Distribution & Logistics | 64 credit hours                 |
| Broward College | FEDAA006                    | FAA Commercial Pilot                                                                             | 3                                               | 18                                                          | 1649010200          | " ASC1100 -NAVIGATIONAL SCIENCE I (3 credits )<br>ATF1100C - PRIVATE FLIGHT TRAINING (3 credits)<br>ATF2204 - COMMERCIAL FLIGHT INSTRUCTION (3 credits)<br>ATF2205 - COMPLEX FLIGHT INSTRUCTION (3 credits)<br>ATT1100 - AERONAUTICAL SCIENCE (3 credits)<br>ATT2110 -COMMERCIAL FLIGHT THEORY (3 credits)"                                                                                                                                                                                                                                                                               | Professional Pilot Technology       | Transportation, Distribution & Logistics | 64 credit hours                 |
| Broward College | FEDAA010                    | FAA Aviation Maintenance Technician - Powerplant                                                 | 24                                              |                                                             | 1649010401          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Aviation Maintenance Management     | Transportation, Distribution & Logistics | 83 credit hours                 |
| Broward College | FEDAA011                    | FAA Private Pilot                                                                                | 3                                               | 9                                                           | 1649010200          | "ATF1100C - PRIVATE FLIGHT TRAINING (3 credits)<br>ATT1100 - AERONAUTICAL SCIENCE (3 credits)<br>ASC1100 - NAVIGATIONAL SCIENCE I (3 credits)"                                                                                                                                                                                                                                                                                                                                                                                                                                            | Professional Pilot Technology       | Transportation, Distribution & Logistics | 64 credit hours                 |
| Broward College | FEDAA013                    | FAA Ground School                                                                                | 3                                               |                                                             | 1615080102          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unmanned Vehicle Systems Operations | Transportation, Distribution & Logistics | 62 credit hours                 |
| Broward College | FEDAA021                    | E12FAA Instrument Airplane Rating                                                                | 3                                               |                                                             | 1649010200          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Professional Pilot Technology       | Transportation, Distribution & Logistics | 64 credit hours                 |
| Broward College | FEDAA022                    | FAA Aircraft Dispatcher Certification (14 CFR Part 65)                                           | 3                                               |                                                             | 1649010403          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Aviation Administration             | Transportation, Distribution & Logistics | 60 credit hours                 |
| Broward College | FLDLE002                    | Correctional Officer                                                                             | 6                                               |                                                             | 1743010302          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Criminal Justice Technology         | Law, Public Safety & Security            | 60 credit hours                 |

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|-----------------|-----------------------------|---------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------|----------------------------------------------------------------|------------------------------------------|---------------------------------|
| Broward College | FLDLE003                    | Correctional Probation Officer                                                  | 6                                               |                                                             | 1743010302          |                       | Criminal Justice Technology                                    | Law, Public Safety & Security            | 60 credit hours                 |
| Broward College | FLDLE004                    | Law Enforcement Officer                                                         | 12                                              |                                                             | 1743010302          |                       | Criminal Justice Technology                                    | Law, Public Safety & Security            | 60 credit hours                 |
| Broward College | FLDOE004                    | Florida Teacher Certification Examinations (FTCE) - Professional Education Test | 3                                               |                                                             | 1413121004          |                       | Early Childhood Education                                      | Education and Training                   | 60 credit hours                 |
| Broward College | FLFBR001                    | Agribusiness Specialist Certification                                           | 3                                               |                                                             | 1101010100          |                       | Agribusiness Management                                        | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Broward College | FLFBR005                    | Animal Science Specialist Certification                                         | 3                                               |                                                             | 1101010100          |                       | Agribusiness Management                                        | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Broward College | FLSFM006                    | Fire Fighter II                                                                 | 3                                               |                                                             | 1743020112          |                       | Fire Science Technology                                        | Law, Public Safety & Security            | 60 credit hours                 |
| Broward College | FLSFM007                    | Fire Safety Inspector I                                                         | 12                                              |                                                             | 1743020112          |                       | Fire Science Technology                                        | Law, Public Safety & Security            | 60 credit hours                 |
| Broward College | FLSFM013                    | Fire Officer I                                                                  | 12                                              |                                                             | 1743020112          |                       | Fire Science Technology                                        | Law, Public Safety & Security            | 60 credit hours                 |
| Broward College | FLSFM014                    | Fire Officer II                                                                 | 15                                              |                                                             | 1743020112          |                       | Fire Science Technology                                        | Law, Public Safety & Security            | 60 credit hours                 |
| Broward College | FLVMA002                    | Certified Veterinary Assistant (CVA)                                            | 3                                               |                                                             | 1301830100          |                       | Veterinary Technology                                          | Agriculture, Food, and Natural Resources | 73 credit hours                 |
| Broward College | FMAIN001                    | Precision Sheetmetal Operator - Level I (PSMO)                                  | 3                                               |                                                             | 1615061307          |                       | Manufacturing Technology                                       | Manufacturing                            | 64 credit hours                 |
| Broward College | FNGLA001                    | Certified Horticulture Professional                                             | 6                                               |                                                             | 1101060701          |                       | Golf Course Operations                                         | Agriculture, Food, and Natural Resources | 69 credit hours                 |
| Broward College | FNGLA001                    | Certified Horticulture Professional                                             | 6                                               |                                                             | 1101060502          |                       | Landscape & Horticulture Technology                            | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Broward College | FNGLA003                    | FNGLA Certified Landscape Maintenance Technician                                | 3                                               |                                                             | 1101060502          |                       | Landscape & Horticulture Technology                            | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Broward College | FNGLA004                    | FNGLA Certified Landscape Technician                                            | 3                                               |                                                             | 1101060502          |                       | Landscape & Horticulture Technology                            | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Broward College | GLIAC008                    | GIAC Penetration Tester (GPEN)                                                  | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                                                  | Information Technology                   | 60 credit hours                 |
| Broward College | GLIAC009                    | GIAC Certified Incident Handler (GCIH)                                          | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                                                  | Information Technology                   | 60 credit hours                 |
| Broward College | GLIAC009                    | GIAC Certified Incident Handler (GCIH)                                          | 3                                               |                                                             | 1511100307          |                       | IT Security                                                    | Information Technology                   | 60 credit hours                 |
| Broward College | GRBCI002                    | LEED Green Associate                                                            | 2                                               |                                                             | 1615100102          |                       | Building Construction Technology                               | Architecture & Construction              | 60 credit hours                 |
| Broward College | GRBCI002                    | LEED Green Associate                                                            | 3                                               |                                                             | 1715020101          |                       | Civil Engineering Technology                                   | Architecture & Construction              | 60 credit hours                 |
| Broward College | GRBCI002                    | LEED Green Associate                                                            | 3                                               |                                                             | 1615130202          |                       | Computer-Aided Drafting and Design                             | Architecture & Construction              | 60 credit hours                 |
| Broward College | GRBCI002                    | LEED Green Associate                                                            | 3                                               |                                                             | 1646041201          |                       | Construction Management Technology                             | Architecture & Construction              | 60 credit hours                 |
| Broward College | HVACE001                    | HVAC Excellence Employment Ready - Heat Pump                                    | 4                                               |                                                             | 0615050100          |                       | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |

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|-----------------|-----------------------------|------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|----------------------------------------|----------------------------------------------------------------|----------------------------------------|---------------------------------|
| Broward College | HVACE002                    | HVAC Excellence EmploymentReady - Air Conditioning         | 4                                               |                                                             | 0615050100          |                                        | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction            | 64 credit hours                 |
| Broward College | HVACE011                    | HVAC Excellence Employment Ready - Electrical              | 4                                               |                                                             | 0615050100          |                                        | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction            | 64 credit hours                 |
| Broward College | ICOEC005                    | EC-Council Cyber Forensics Associate                       | 3                                               |                                                             | 1511100308          |                                        | Cybersecurity                                                  | Information Technology                 | 60 credit hours                 |
| Broward College | ICOEC006                    | EC-Council Ethical Hacker Associate                        | 3                                               |                                                             | 1511100308          |                                        | Cybersecurity                                                  | Information Technology                 | 60 credit hours                 |
| Broward College | ICOEC006                    | EC-Council Ethical Hacker Associate                        | 3                                               |                                                             | 1511100307          |                                        | IT Security                                                    | Information Technology                 | 60 credit hours                 |
| Broward College | ICOEC006                    | EC-Council Ethical Hacker Associate                        | 3                                               | 4                                                           | 1511100112          | CIS3204C-Ethical Hacking I (4 credits) | Network Systems Technology                                     | Information Technology                 | 60 credit hours                 |
| Broward College | ICOEC010                    | EC-Council Digital Forensics Essentials (DFE)              | 3                                               |                                                             | 1511100308          |                                        | Cybersecurity                                                  | Information Technology                 | 60 credit hours                 |
| Broward College | ICOEC011                    | EC-Council Ethical Hacking Essentials (EHE)                | 3                                               |                                                             | 1511100308          |                                        | Cybersecurity                                                  | Information Technology                 | 60 credit hours                 |
| Broward College | IHKBZ002                    | Electronics Technician for Industrial Engineering          | 3                                               |                                                             | 1615061307          |                                        | Manufacturing Technology                                       | Manufacturing                          | 64 credit hours                 |
| Broward College | IHKBZ004                    | Mechatronics Fitter                                        | 3                                               |                                                             | 1615061307          |                                        | Manufacturing Technology                                       | Manufacturing                          | 64 credit hours                 |
| Broward College | INTUT001                    | Quickbooks Certified User                                  | 3                                               |                                                             | 1552030201          |                                        | Accounting Technology                                          | Business Management and Administration | 60 credit hours                 |
| Broward College | INTUT001                    | Quickbooks Certified User                                  | 3                                               |                                                             | 1552020102          |                                        | Business Administration                                        | Business Management and Administration | 60 credit hours                 |
| Broward College | INTUT001                    | Quickbooks Certified User                                  | 3                                               |                                                             | 1552070308          |                                        | Business Entrepreneurship                                      | Business Management and Administration | 60 credit hours                 |
| Broward College | INTUT002                    | Entrepreneurship & Small Business                          | 3                                               |                                                             | 1552020102          |                                        | Business Administration                                        | Business Management and Administration | 60 credit hours                 |
| Broward College | INTUT002                    | Entrepreneurship & Small Business                          | 3                                               |                                                             | 1552070308          |                                        | Business Entrepreneurship                                      | Business Management and Administration | 60 credit hours                 |
| Broward College | INTUT003                    | Master Entrepreneurship Certification                      | 3                                               |                                                             | 1552020102          |                                        | Business Administration                                        | Business Management and Administration | 60 credit hours                 |
| Broward College | INTUT003                    | Master Entrepreneurship Certification                      | 3                                               |                                                             | 1552070308          |                                        | Business Entrepreneurship                                      | Business Management and Administration | 60 credit hours                 |
| Broward College | INTUT004                    | Intuit Certified Bookkeeping Professional                  | 3                                               |                                                             | 1552030201          |                                        | Accounting Technology                                          | Business Management and Administration | 60 credit hours                 |
| Broward College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification | 3                                               |                                                             | 1615030301          |                                        | Electronics Engineering Technology                             | Manufacturing                          | 68 credit hours                 |
| Broward College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification | 3                                               |                                                             | 1615000001          |                                        | Engineering Technology                                         | Manufacturing                          | 60 credit hours                 |

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|-----------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-------------------------------|------------------------------------------------|----------------------------------------|---------------------------------|
| Broward College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                                                                                              | 3                                               |                                                             | 1615030301          |                               | Electronics Engineering Technology             | Manufacturing                          | 68 credit hours                 |
| Broward College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                                                                                              | 3                                               |                                                             | 1615000001          |                               | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Broward College | ISOGR007                    | TOSA® Autodesk AutoCAD Certified User - Expert (Postsecondary)                                                                                      | 3                                               |                                                             | 1604090100          |                               | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                 |
| Broward College | ISOGR007                    | TOSA® Autodesk AutoCAD Certified User - Expert (Postsecondary)                                                                                      | 3                                               |                                                             | 1615130202          |                               | Computer-Aided Drafting and Design             | Architecture & Construction            | 60 credit hours                 |
| Broward College | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                                                                                        | 3                                               |                                                             | 1611080103          |                               | Digital Media/ Multimedia Technology           | Arts, A/V Technology & Communication   | 60 credit hours                 |
| Broward College | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                                                                                        | 3                                               |                                                             | 1611080300          |                               | Graphics Technology                            | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Broward College | ISOGR009                    | TOSA® Web Developer – Expert Level (Postsecondary)                                                                                                  | 3                                               |                                                             | 1511100400          |                               | Internet Services Technology                   | Information Technology                 | 60 credit hours                 |
| Broward College | ISOGR010                    | TOSA® JavaScript Certified User – Expert Level (Postsecondary)                                                                                      | 3                                               |                                                             | 1511020101          |                               | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| Broward College | ISOGR011                    | TOSA® Python Certified User – Expert Level (Postsecondary)                                                                                          | 3                                               |                                                             | 1511020101          |                               | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| Broward College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher)                                                                  | 3                                               |                                                             | 1611080103          |                               | Digital Media/ Multimedia Technology           | Arts, A/V Technology & Communication   | 60 credit hours                 |
| Broward College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher)                                                                  | 3                                               |                                                             | 1611080300          |                               | Graphics Technology                            | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Broward College | KNOWL001                    | Python Coding Specialist                                                                                                                            | 3                                               |                                                             | 1511020101          |                               | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| Broward College | KNOWL005                    | C# Coding Specialist                                                                                                                                | 3                                               |                                                             | 1511020101          |                               | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| Broward College | KNOWL006                    | C# Coding Apprentice                                                                                                                                | 3                                               |                                                             | 1511020101          |                               | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| Broward College | KNOWL007                    | .NET Coding Specialist                                                                                                                              | 3                                               |                                                             | 1511010307          |                               | Computer Information Technology                | Information Technology                 | 60 credit hours                 |
| Broward College | LINPI001                    | Linux Essentials 010                                                                                                                                | 3                                               | 4                                                           | 1511010307          | CTS1111C - Linux+ (4 credits) | Computer Information Technology                | Information Technology                 | 60 credit hours                 |
| Broward College | LINPI001                    | Linux Essentials 010                                                                                                                                | 3                                               |                                                             | 1511100308          |                               | Cybersecurity                                  | Information Technology                 | 60 credit hours                 |
| Broward College | LINPI001                    | Linux Essentials 010                                                                                                                                | 3                                               |                                                             | 1530700100          |                               | Data Science Technology                        | Information Technology                 | 60 credit hours                 |
| Broward College | LINPI001                    | Linux Essentials 010                                                                                                                                | 3                                               | 4                                                           | 1511100112          | CTS1111C - Linux+ (4 credits) | Network Systems Technology                     | Information Technology                 | 60 credit hours                 |
| Broward College | MICRO017                    | Microsoft Office Specialist Master: Microsoft Office 2016 Master Specialist (Requires Word Expert, Excel Expert, PowerPoint, and Access or Outlook) | 3                                               |                                                             | 1552020401          |                               | Office Administration                          | Business Management and Administration | 60 credit hours                 |

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|-----------------|-----------------------------|------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------|---------------------------------|
| Broward College | MSSCN001                    | MSSC Certified Production Technician (CPT)                       | 6                                               |                                                             | 1615030301          |                                                                                                                                                                                                                                                                                                  | Electronics Engineering Technology                             | Manufacturing                            | 68 credit hours                 |
| Broward College | MSSCN001                    | MSSC Certified Production Technician (CPT)                       | 15                                              | 18                                                          | 1615000001          | “EET1084C-INTRODUCTION TO ELECTRONICS (3 credits)<br>ETD1320C-BASIC CAD (3 credits)<br>ETI1110C -INTRODUCTION TO QUALITY ASSURANCE (3 credits)<br>ETI1420C-PROCESSES AND MATERIALS (3 credits)<br>ETI1701C-SAFETY (3 credits)<br>ETM1010C-MEASUREMENT AND INSTRUMENTATION (3 credits)”           | Engineering Technology                                         | Manufacturing                            | 60 credit hours                 |
| Broward College | MSSCN001                    | MSSC Certified Production Technician (CPT)                       | 9                                               |                                                             | 1615061307          |                                                                                                                                                                                                                                                                                                  | Manufacturing Technology                                       | Manufacturing                            | 64 credit hours                 |
| Broward College | NAOLA002                    | Certified Paralegal/Certified Legal Assistant (CP/CLA)           | 3                                               |                                                             | 1722030200          |                                                                                                                                                                                                                                                                                                  | Paralegal Studies (Legal Assisting)                            | Law, Public Safety & Security            | 64 credit hours                 |
| Broward College | NATEX001                    | Air Conditioning Service Technician                              | 3                                               |                                                             | 0615050100          |                                                                                                                                                                                                                                                                                                  | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |
| Broward College | NATEX002                    | Air Conditioning Installation Specialization                     | 4                                               |                                                             | 0615050100          |                                                                                                                                                                                                                                                                                                  | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |
| Broward College | NATEX003                    | Air to Air Heat Pump Installation Technician                     | 4                                               |                                                             | 0615050100          |                                                                                                                                                                                                                                                                                                  | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |
| Broward College | NATHA007                    | Certified Phlebotomy Technician (CPT)                            | 1                                               |                                                             | 1351100405          |                                                                                                                                                                                                                                                                                                  | Medical Laboratory Technology                                  | Health Science                           | 76 credit hours                 |
| Broward College | NATHA009                    | Certified Clinical Medical Assistant (CCMA)                      | 3                                               |                                                             | 1351070101          |                                                                                                                                                                                                                                                                                                  | Health Services Management                                     | Health Science                           | 60 credit hours                 |
| Broward College | NATHA009                    | Certified Clinical Medical Assistant (CCMA)                      | 3                                               | 12                                                          | 1551070500          | “OST1100C-Keyboarding & Document I (3 credits)<br>OST1257C-Medical Terminology for the Administrative Assitant (3 credits) or HSC1531-Medical Terminology ( 3 credits)<br>OST2335 -Communications in the workforce ( 3 credits)<br>OST2464C - Medical Office Computer Application ( 3 credits) ” | Medical Office Administration                                  | Business Management and Administration   | 60 credit hours                 |
| Broward College | NATHA010                    | Certified Pharmacy Technician (CPhT)                             | 9                                               |                                                             | 1351080502          |                                                                                                                                                                                                                                                                                                  | Pharmacy Management                                            | Health Science                           | 70 credit hours                 |
| Broward College | NCATT003                    | Aerospace / Aircraft Assembly (AAA)                              | 9                                               |                                                             | 1615080100          |                                                                                                                                                                                                                                                                                                  | Aerospace Technology                                           | Manufacturing                            | 64 credit hours                 |
| Broward College | NCCER008                    | NCCER Construction Technology (Secondary)                        | 3                                               |                                                             | 1604090100          |                                                                                                                                                                                                                                                                                                  | Architectural Design & Construction Technology                 | Architecture & Construction              | 66 credit hours                 |
| Broward College | NCCER018                    | NCCER HVAC - Level 1 (Secondary)                                 | 3                                               |                                                             | 0615050100          |                                                                                                                                                                                                                                                                                                  | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |
| Broward College | NCCER061                    | NCCER Welding - Level 1 (Secondary)                              | 3                                               |                                                             | 0647060500          |                                                                                                                                                                                                                                                                                                  | Marine Engineering, Management & Seamanship                    | Transportation, Distribution & Logistics | 66 credit hours                 |
| Broward College | NCCER098                    | NCCER Manufactured Construction Technology - Level 1 (Secondary) | 3                                               | 4                                                           | 1615100102          | BCN1272-BUILDING CONSTRUCTION PLANS INTERPRETATION (2 credits BCT2040-MEP PLANS INTERPRETATION (2 credits)                                                                                                                                                                                       | Building Construction Technology                               | Architecture & Construction              | 60 credit hours                 |
| Broward College | NCCER099                    | NCCER Manufactured Construction Technology - Level 2 (Secondary) | 3                                               | 4                                                           | 1615100102          | “BCN1272-BUILDING CONSTRUCTION PLANS INTERPRETATION (2 credits.)<br>BCT2040-MEP PLANS INTERPRETATION (2 credits)”                                                                                                                                                                                | Building Construction Technology                               | Architecture & Construction              | 60 credit hours                 |
| Broward College | NCCER101                    | NCCER HVACR Level 1                                              | 3                                               |                                                             | 0615050100          |                                                                                                                                                                                                                                                                                                  | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |

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|-----------------|-----------------------------|------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------|---------------------------------|
| Broward College | NCCER215                    | NCCER Electronic Systems Technician - Level 4 (Postsecondary)                | 3                                               |                                                             | 1615170100          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Energy Management and Controls Technology                      | Energy                                   | 60 credit hours                 |
| Broward College | NCCER222                    | NCCER HVAC - Level 4 (Postsecondary)                                         | 3                                               |                                                             | 0615050100          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |
| Broward College | NCCER266                    | NCCER Industrial Maintenance Mechanic Level 4                                | 3                                               |                                                             | 1615000001          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Engineering Technology                                         | Manufacturing                            | 60 credit hours                 |
| Broward College | NCDLT001                    | Certified Dental Technician                                                  | 3                                               |                                                             | 1351060200          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Dental Hygiene                                                 | Health Science                           | 88 credit hours                 |
| Broward College | NCFCT007                    | National Certified Medical Office Assistant (NCMOA)                          | 6                                               | 21                                                          | 1551070500          | “OST1100C-Keyboarding & Document Processing I ( 3 credits)<br>OST1257C-Medical Terminology for the Administrative (3 credits) OR<br>HSC1531-Medical Terminology ( 3 credits)<br>OST2335- Communications in the workforce (3 credits)<br>OST2455C-Medical Billing and Coding I (3 credits) or<br>HIM1253CCoding I ( 3 credits)<br>OST2456C-Medical Billing and Coding II (3 credits) or HIM1260-Reimbursement Methodology (2 credits) or HIM2232C-Coding II (3 credits)<br>OST2464C-Medical Office Computer Application (3 credits)<br>OST2501-Office Management (3 credits) “ | Medical Office Administration                                  | Business Management and Administration   | 60 credit hours                 |
| Broward College | NCFCT008                    | National Certified Patient Care Technician (NCPCT)                           | 3                                               |                                                             | 1351070101          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Health Services Management                                     | Health Science                           | 60 credit hours                 |
| Broward College | NCSBN002                    | National Licensed Practical Nurse (NCLEX-PN)                                 | 10                                              |                                                             | 1351380100          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Nursing R.N.                                                   | Health Science                           | 60 credit hours                 |
| Broward College | NIASE005                    | ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2) | 3                                               | 4                                                           | 0615080300          | AER2298C- AUTOMATIC TRANSMISSIONS AND TRANSAXLES (4 credits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Broward College | NIASE007                    | ASE Automobile/Light Truck Technician: Brakes (A5)                           | 3                                               | 4                                                           | 0615080300          | AER2598C- BRAKE SYSTEMS AND CHASSIS REPAIR (4 credits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Broward College | NIASE008                    | ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)    | 3                                               | 4                                                           | 0615080300          | AER1698C- ELECTRICAL SYSTEMS (4 credits.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Broward College | NIASE009                    | ASE Automobile/Light Truck Technician: Engine Performance (A8)               | 3                                               | 4                                                           | 0615080300          | AER2758C- HEATING AND AIR CONDITIONING THEORY (4 credits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Broward College | NIASE010                    | ASE Automobile/Light Truck Technician: Engine Repair (A1)                    | 3                                               | 4                                                           | 0615080300          | AER1198C- AUTOMOTIVE ENGINE REPAIR (4 credits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Broward College | NIASE011                    | ASE Automobile/Light Truck Technician: Heating and Air Conditioning (A7)     | 3                                               | 4                                                           | 0615080300          | AER1695C- AUTOMOTIVE ELECTRONICS (4 credits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Broward College | NIASE012                    | ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3)     | 3                                               | 4                                                           | 0615080300          | AER2398C- MANUAL DRIVE TRAIN AND AXLES (4 credits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Broward College | NIASE014                    | ASE Automobile/Light Truck Technician: Suspension and Steering (A4)          | 3                                               | 4                                                           | 0615080300          | AER2498C- STEERING AND SUSPENSION SYSTEMS (4 credits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Broward College | NIASE076                    | ASE Auto Maintenance and Light Repair (G1)                                   | 3                                               | 4                                                           | 0615080300          | AER1081C- INTRODUCTION TO AUTOMOTIVE TECH. (4 credits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Automotive Service Management Technology                       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Broward College | NIFMS001                    | NIMS Machining - CNC Mill Programming Setup & Operations                     | 1                                               | 3                                                           | 1615000001          | ETI2213C - ADVANCED MACHINING 1 (3 credits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Engineering Technology                                         | Manufacturing                            | 60 credit hours                 |
| Broward College | NIFMS001                    | NIMS Machining - CNC Mill Programming Setup & Operations                     | 3                                               |                                                             | 1615061307          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Manufacturing Technology                                       | Manufacturing                            | 64 credit hours                 |

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|-----------------|-----------------------------|-----------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------------------------------|-----------------------------------|---------------------------------|---------------------------------|
| Broward College | NIFMS002                    | NIMS Machining - CNC Lathe Programming Setup & Operations | 1                                               |                                                             | 1615000001          |                                             | Engineering Technology            | Manufacturing                   | 60 credit hours                 |
| Broward College | NIFMS002                    | NIMS Machining - CNC Lathe Programming Setup & Operations | 3                                               |                                                             | 1615061307          |                                             | Manufacturing Technology          | Manufacturing                   | 64 credit hours                 |
| Broward College | NIFMS007                    | NIMS Machining - Milling II                               | 3                                               |                                                             | 1615061307          |                                             | Manufacturing Technology          | Manufacturing                   | 64 credit hours                 |
| Broward College | NIFMS008                    | NIMS Machining - Turning I (Between Centers)              | 3                                               |                                                             | 1615061307          |                                             | Manufacturing Technology          | Manufacturing                   | 64 credit hours                 |
| Broward College | NIFMS010                    | NIMS Machining - Turning I (Chucking)                     | 3                                               |                                                             | 1615061307          |                                             | Manufacturing Technology          | Manufacturing                   | 64 credit hours                 |
| Broward College | NIFMS012                    | NIMS Machining Level II - Grinding Skills II              | 2                                               | 3                                                           | 1615000001          | ETI2214C - ADVANCED MACHINING 2 (3 credits) | Engineering Technology            | Manufacturing                   | 60 credit hours                 |
| Broward College | NIFMS012                    | NIMS Machining Level II - Grinding Skills II              | 3                                               |                                                             | 1615061307          |                                             | Manufacturing Technology          | Manufacturing                   | 64 credit hours                 |
| Broward College | NIFMS013                    | NIMS Machining Level I - Drill Press I                    | 3                                               |                                                             | 1615061307          |                                             | Manufacturing Technology          | Manufacturing                   | 64 credit hours                 |
| Broward College | NRAEF003                    | Certified Food Protection Manager (ServSafe®)             | 3                                               |                                                             | 1612050401          |                                             | Culinary Management               | Hospitality & Tourism           | 60 credit hours                 |
| Broward College | NRAEF003                    | Certified Food Protection Manager (ServSafe®)             | 3                                               |                                                             | 1252090501          |                                             | Restaurant Management             | Hospitality & Tourism           | 60 credit hours                 |
| Broward College | NREMT001                    | Emergency Medical Technician (EMT)                        | 9                                               |                                                             | 1351090402          |                                             | Emergency Medical Services        | Health Science                  | 73 credit hours                 |
| Broward College | NRFSP001                    | Certified Food Safety Manager                             | 3                                               |                                                             | 1612050102          |                                             | Baking & Pastry Management        | Hospitality & Tourism           | 61 credit hours                 |
| Broward College | NRFSP001                    | Certified Food Safety Manager                             | 2                                               |                                                             | 1612050401          |                                             | Culinary Management               | Hospitality & Tourism           | 60 credit hours                 |
| Broward College | NRFSP001                    | Certified Food Safety Manager                             | 2                                               |                                                             | 1252090501          |                                             | Restaurant Management             | Hospitality & Tourism           | 60 credit hours                 |
| Broward College | NRFSP002                    | HACCP Certification                                       | 3                                               |                                                             | 1612050102          |                                             | Baking & Pastry Management        | Hospitality & Tourism           | 61 credit hours                 |
| Broward College | OEDGP001                    | PCAP – Certified Associate in Python Programming          | 3                                               |                                                             | 1511020101          |                                             | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Broward College | ORACL001                    | Oracle Foundations Associate, Database                    | 6                                               |                                                             | 1511080200          |                                             | Database Technology               | Information Technology          | 60 credit hours                 |
| Broward College | ORACL004                    | Oracle Foundations Associate, Java                        | 3                                               | 4                                                           | 1511010307          | COP1250C- Programming I (3 credits)         | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Broward College | ORACL004                    | Oracle Foundations Associate, Java                        | 3                                               | 4                                                           | 1511020101          | COP1250C- Programming I (3 credits)         | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Broward College | PAHCO001                    | Certified Medical Manager (CMM)                           | 3                                               |                                                             | 1351070700          |                                             | Health Information Technology     | Health Science                  | 70 credit hours                 |
| Broward College | PAHCO001                    | Certified Medical Manager (CMM)                           | 3                                               |                                                             | 1351070101          |                                             | Health Services Management        | Health Science                  | 60 credit hours                 |
| Broward College | PRMIN004                    | PMI Project Management Ready                              | 3                                               | 4                                                           | 1511100509          | CIS1513C- PROJECT MANAGEMENT (4 credits)    | Technology Project Management     | Information Technology          | 60 credit hours                 |
| Broward College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist   | 3                                               |                                                             | 1511010307          |                                             | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Broward College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist   | 3                                               |                                                             | 1511020101          |                                             | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |

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|-----------------|-----------------------------|------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|--------------------------------------------|--------------------------------------|----------------------------------------|---------------------------------|
| Broward College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               |                                                             | 1511010307          |                                            | Computer Information Technology      | Information Technology                 | 60 credit hours                 |
| Broward College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               | 4                                                           | 1511020101          | CTS2852C-CLIENT-SIDE SCRIPTING (4 credits) | Computer Programming and Analysis    | Information Technology                 | 60 credit hours                 |
| Broward College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                | 3                                               |                                                             | 1511010307          |                                            | Computer Information Technology      | Information Technology                 | 60 credit hours                 |
| Broward College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                | 3                                               |                                                             | 1511020101          |                                            | Computer Programming and Analysis    | Information Technology                 | 60 credit hours                 |
| Broward College | PROSO030                    | Certified Internet Web (CIW) Data Analyst Specialist                         | 3                                               |                                                             | 1530700101          |                                            | Business Intelligence Specialist     | Information Technology                 | 60 credit hours                 |
| Broward College | PROSO032                    | Certified Internet Web (CIW) User Interface Designer                         | 3                                               |                                                             | 1511020101          |                                            | Computer Programming and Analysis    | Information Technology                 | 60 credit hours                 |
| Broward College | PROSO033                    | Certified Internet Web (CIW) Multimedia Specialist                           | 3                                               |                                                             | 1611080103          |                                            | Digital Media/ Multimedia Technology | Arts, A/V Technology & Communication   | 60 credit hours                 |
| Broward College | PROSO034                    | Certified Internet Web (CIW) Artificial Intelligence Associate               | 3                                               |                                                             | 1511010200          |                                            | Applied Artificial Intelligence      | Information Technology                 | 60 credit hours                 |
| Broward College | PROSO034                    | Certified Internet Web (CIW) Artificial Intelligence Associate               | 3                                               |                                                             | 1530700100          |                                            | Data Science Technology              | Information Technology                 | 60 credit hours                 |
| Broward College | PROSO035                    | Certified Internet Web (CIW) Artificial Intelligence Data Science Specialist | 3                                               |                                                             | 1511010200          |                                            | Applied Artificial Intelligence      | Information Technology                 | 60 credit hours                 |
| Broward College | PROSO035                    | Certified Internet Web (CIW) Artificial Intelligence Data Science Specialist | 3                                               |                                                             | 1530700100          |                                            | Data Science Technology              | Information Technology                 | 60 credit hours                 |
| Broward College | PTCBD001                    | Certified Pharmacy Technician (CPhT)                                         | 9                                               |                                                             | 1351080502          |                                            | Pharmacy Management                  | Health Science                         | 70 credit hours                 |
| Broward College | SALES001                    | Salesforce Certified Administrator                                           | 3                                               |                                                             | 1252140101          |                                            | Marketing Management                 | Marketing                              | 60 credit hours                 |
| Broward College | SCHRM001                    | SHRM-CP                                                                      | 3                                               |                                                             | 1552020102          |                                            | Business Administration              | Business Management and Administration | 60 credit hours                 |
| Broward College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations              | 3                                               |                                                             | 1615000001          |                                            | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Broward College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations              | 3                                               |                                                             | 1615030301          |                                            | Electronics Engineering Technology   | Manufacturing                          | 68 credit hours                 |
| Broward College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations         | 3                                               |                                                             | 1615000001          |                                            | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Broward College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations         | 3                                               |                                                             | 1615030301          |                                            | Electronics Engineering Technology   | Manufacturing                          | 68 credit hours                 |
| Broward College | SMACA011                    | C-104 Certified Industry 4.0 Associate IV - IIoT Networking & Data Analytics | 3                                               |                                                             | 1615000001          |                                            | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Broward College | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)                   | 3                                               |                                                             | 1615000001          |                                            | Engineering Technology               | Manufacturing                          | 60 credit hours                 |
| Broward College | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)                   | 3                                               |                                                             | 1615061307          |                                            | Manufacturing Technology             | Manufacturing                          | 64 credit hours                 |
| Broward College | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)                | 3                                               |                                                             | 1615000001          |                                            | Engineering Technology               | Manufacturing                          | 60 credit hours                 |

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|--------------------------|-----------------------------|-------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------|------------------------------------------------|------------------------------------------|---------------------------------|
| Broward College          | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)     | 3                                               |                                                             | 1615080101          |                       | Simulation Technology                          | Manufacturing                            | 68 credit hours                 |
| Broward College          | TAFLP001                    | Accredited Legal Professional (ALP)                               | 3                                               |                                                             | 1552020401          |                       | Office Administration                          | Business Management and Administration   | 60 credit hours                 |
| Broward College          | TAFLP001                    | Accredited Legal Professional (ALP)                               | 3                                               |                                                             | 1722030200          |                       | Paralegal Studies (Legal Assisting)            | Law, Public Safety & Security            | 64 credit hours                 |
| Broward College          | TAFLP002                    | Professional Legal Secretary (PLS)                                | 9                                               |                                                             | 1552020401          |                       | Office Administration                          | Business Management and Administration   | 60 credit hours                 |
| Broward College          | UNITY001                    | Unity Certified Associate                                         | 6                                               |                                                             | 1550041100          |                       | Game Development Design                        | Information Technology                   | 60 credit hours                 |
| Broward College          | UNITY002                    | Unity Certified User: Programmer                                  | 6                                               |                                                             | 1550041100          |                       | Game Development Design                        | Information Technology                   | 60 credit hours                 |
| Broward College          | UNITY005                    | Unity Certified Associate: Artist                                 | 3                                               |                                                             | 1610030400          |                       | Animation and Game Art                         | Arts, A/V Technology & Communication     | 60 credit hours                 |
| Broward College          | UNITY005                    | Unity Certified Associate: Artist                                 | 3                                               |                                                             | 1550041100          |                       | Game Development Design                        | Information Technology                   | 60 credit hours                 |
| Broward College          | UNITY006                    | Unity Certified Associate: Game Developer                         | 3                                               |                                                             | 1610030400          |                       | Animation and Game Art                         | Arts, A/V Technology & Communication     | 60 credit hours                 |
| Broward College          | USINS001                    | Small UAS (sUAS) Safety Certification: Level 1                    | 1                                               |                                                             | 1649010200          |                       | Professional Pilot Technology                  | Transportation, Distribution & Logistics | 64 credit hours                 |
| Gulf Coast State College | ABAYC003                    | Marine Electrical Certification                                   | 3                                               |                                                             | 0647060500          |                       | Marine Engineering, Management & Seamanship    | Transportation, Distribution & Logistics | 66 credit hours                 |
| Gulf Coast State College | ACFAT001                    | Accredited Business Accountant (ABA)                              | 3                                               |                                                             | 1552030201          |                       | Accounting Technology                          | Business Management and Administration   | 60 credit hours                 |
| Gulf Coast State College | ACFED002                    | Certified Culinarian (CC)                                         | 3                                               | 4                                                           | 1612050401          | FOS2201 & HUN1001     | Culinary Management                            | Hospitality & Tourism                    | 60 credit hours                 |
| Gulf Coast State College | ACFED002                    | Certified Culinarian (CC)                                         | 6                                               |                                                             | 1252090501          |                       | Restaurant Management                          | Hospitality & Tourism                    | 60 credit hours                 |
| Gulf Coast State College | ACFED006                    | Certified Fundamentals Cook                                       | 3                                               |                                                             | 1252090101          |                       | Hospitality & Tourism Management               | Hospitality & Tourism                    | 60 credit hours                 |
| Gulf Coast State College | ACOSM001                    | Certified Survey Technician (CST)                                 | 3                                               |                                                             | 1715020101          |                       | Civil Engineering Technology                   | Architecture & Construction              | 60 credit hours                 |
| Gulf Coast State College | ADESK002                    | Autodesk Certified User - AutoCAD                                 | 3                                               |                                                             | 1604090100          |                       | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Gulf Coast State College | ADESK002                    | Autodesk Certified User - AutoCAD                                 | 3                                               |                                                             | 1615130202          |                       | Computer-Aided Drafting and Design             | Architecture & Construction              | 60 credit hours                 |
| Gulf Coast State College | ADESK008                    | Autodesk Certified User - Revit                                   | 3                                               |                                                             | 1604090100          |                       | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Gulf Coast State College | ADESK008                    | Autodesk Certified User - Revit                                   | 3                                               |                                                             | 1615100102          |                       | Building Construction Technology               | Architecture & Construction              | 60 credit hours                 |
| Gulf Coast State College | ADESK008                    | Autodesk Certified User - Revit                                   | 3                                               |                                                             | 1615130202          |                       | Computer-Aided Drafting and Design             | Architecture & Construction              | 60 credit hours                 |
| Gulf Coast State College | ADESK011                    | Autodesk Certified User - Inventor                                | 3                                               |                                                             | 1615000001          |                       | Engineering Technology                         | Manufacturing                            | 60 credit hours                 |
| Gulf Coast State College | ADESK021                    | Autodesk Certified Professional - AutoCAD for Design and Drafting | 3                                               |                                                             | 1615130202          |                       | Computer-Aided Drafting and Design             | Architecture & Construction              | 60 credit hours                 |

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| Gulf Coast State College | ADESK023                    | Autodesk Certified Professional - AutoCAD Civil 3D                                                  | 3                                               |                                                             | 1715020101          |                       | Civil Engineering Technology                   | Architecture & Construction            | 60 credit hours                 |
| Gulf Coast State College | ADESK024                    | Autodesk Certified Professional - Inventor                                                          | 3                                               |                                                             | 1615000001          |                       | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Gulf Coast State College | ADESK025                    | Autodesk Certified Professional - Revit Architecture                                                | 3                                               |                                                             | 1604090100          |                       | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                 |
| Gulf Coast State College | ADESK030                    | Autodesk Certified User - Maya                                                                      | 9                                               |                                                             | 1550041100          |                       | Game Development Design                        | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | ADESK032                    | Autodesk Certified User - Fusion 360                                                                | 3                                               | 3                                                           | 1615000001          | ETD1320C              | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Gulf Coast State College | ADESK033                    | Autodesk Certified Associate in CAD for Mechanical Design                                           | 3                                               |                                                             | 1615000001          |                       | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Gulf Coast State College | ADESK035                    | Autodesk Certified Associate in CAM for Turning                                                     | 3                                               |                                                             | 1615000001          |                       | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Gulf Coast State College | ADESK036                    | Autodesk Certified Expert in CAM for Multi-Axis Milling                                             | 3                                               |                                                             | 1615030301          |                       | Electronics Engineering Technology             | Manufacturing                          | 68 credit hours                 |
| Gulf Coast State College | ADESK037                    | Autodesk Certified Expert in Generative Design for Manufacturing                                    | 3                                               |                                                             | 1615030301          |                       | Electronics Engineering Technology             | Manufacturing                          | 68 credit hours                 |
| Gulf Coast State College | ADESK038                    | Autodesk Certified Professional in CAM for 3 Axis Milling                                           | 3                                               | 3                                                           | 1615000001          | PMT2250C              | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Gulf Coast State College | ADESK039                    | Autodesk Certified Professional in Design for Manufacturing                                         | 3                                               | 3                                                           | 1615000001          | ETD1320C              | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Gulf Coast State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                            | 3                                               |                                                             | 1604090100          |                       | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                 |
| Gulf Coast State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                            | 3                                               |                                                             | 1615130202          |                       | Computer-Aided Drafting and Design             | Architecture & Construction            | 60 credit hours                 |
| Gulf Coast State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                            | 3                                               |                                                             | 1615000001          |                       | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| Gulf Coast State College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                            | 3                                               |                                                             | 1615030301          |                       | Electronics Engineering Technology             | Manufacturing                          | 68 credit hours                 |
| Gulf Coast State College | ADOBE023                    | Adobe Certified Professional in Video Design (Requires Premiere Pro and After Effects or Photoshop) | 3                                               |                                                             | 1650060213          |                       | Film Production Technology                     | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Gulf Coast State College | ADOBE023                    | Adobe Certified Professional in Video Design (Requires Premiere Pro and After Effects or Photoshop) | 4                                               |                                                             | 1610020202          |                       | Radio and Television Broadcasting              | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Gulf Coast State College | ADOBE024                    | Adobe Certified Professional in Visual Design (Requires Photoshop and Illustrator or InDesign)      | 3                                               |                                                             | 1611080300          |                       | Graphics Technology                            | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Gulf Coast State College | ADOBE025                    | Adobe Certified Professional in Web Design (Requires Dreamweaver and Animate or Photoshop)          | 3                                               |                                                             | 1511100400          |                       | Internet Services Technology                   | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | AIOPB001                    | Certified Bookkeeper                                                                                | 3                                               |                                                             | 1552030201          |                       | Accounting Technology                          | Business Management and Administration | 60 credit hours                 |
| Gulf Coast State College | AMAMA001                    | Certified Medical Assistant (CMA)                                                                   | 3                                               |                                                             | 1351070700          |                       | Health Information Technology                  | Health Science                         | 70 credit hours                 |
| Gulf Coast State College | AMAMA001                    | Certified Medical Assistant (CMA)                                                                   | 3                                               |                                                             | 1351070101          |                       | Health Services Management                     | Health Science                         | 60 credit hours                 |

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| Gulf Coast State College | AMDDA002                    | Certified Apprentice Drafter - Architectural                                  | 3                                               |                                                             | 1604090100          |                       | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Gulf Coast State College | AMEDT004                    | Registered Medical Assistant (RMA)                                            | 3                                               |                                                             | 1351070101          |                       | Health Services Management                     | Health Science                           | 60 credit hours                 |
| Gulf Coast State College | AMEDT004                    | Registered Medical Assistant (RMA)                                            | 3                                               |                                                             | 1551070500          |                       | Medical Office Administration                  | Business Management and Administration   | 60 credit hours                 |
| Gulf Coast State College | AMEDT005                    | Registered Phlebotomy Technician (RPT)                                        | 3                                               |                                                             | 1351100405          |                       | Medical Laboratory Technology                  | Health Science                           | 76 credit hours                 |
| Gulf Coast State College | AMEDT006                    | Medical Laboratory Assistant (CMLA)                                           | 4                                               |                                                             | 1351100405          |                       | Medical Laboratory Technology                  | Health Science                           | 76 credit hours                 |
| Gulf Coast State College | AMSPT002                    | Certified Phlebotomy Technician                                               | 1                                               |                                                             | 1351100405          |                       | Medical Laboratory Technology                  | Health Science                           | 76 credit hours                 |
| Gulf Coast State College | AMSTL004                    | Professional Designation in Supply Chain Management (PLS)                     | 3                                               |                                                             | 1652020901          |                       | Supply Chain Management                        | Transportation, Distribution & Logistics | 60 credit hours                 |
| Gulf Coast State College | APPLE002                    | Apple Certified Technical Coordinator                                         | 2                                               |                                                             | 1511100112          |                       | Network Systems Technology                     | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | APPLE019                    | Apple Certified Support Professional                                          | 2                                               |                                                             | 1511100112          |                       | Network Systems Technology                     | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | APPLE020                    | Apple Certified Pro (ACP) - Final Cut Pro X                                   | 3                                               |                                                             | 1609070213          |                       | Digital Television and Media Production        | Arts, A/V Technology & Communication     | 60 credit hours                 |
| Gulf Coast State College | APPLE020                    | Apple Certified Pro (ACP) - Final Cut Pro X                                   | 8                                               |                                                             | 1610020202          |                       | Radio and Television Broadcasting              | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Gulf Coast State College | APPLE021                    | Apple App Development with Swift Certified User                               | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis              | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | APPLE022                    | Apple App Development with Swift Associate                                    | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis              | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CARCH002                    | Chief Architect Certified Apprentice                                          | 3                                               |                                                             | 1604090100          |                       | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Gulf Coast State College | CERHB001                    | Biotechnician Assistant                                                       | 3                                               |                                                             | 1341010100          |                       | Biotechnology Laboratory Technology            | Health Science                           | 61 credit hours                 |
| Gulf Coast State College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology                | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis              | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CERTI008                    | Information Technology Specialist (ITS) - HTML5 Application Development       | 3                                               |                                                             | 1511100400          |                       | Internet Services Technology                   | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology                | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management | 3                                               |                                                             | 1511080200          |                       | Database Technology                            | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                          | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology                | Information Technology                   | 60 credit hours                 |

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| Gulf Coast State College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript      | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CERTI012                    | Information Technology Specialist (ITS) - Python          | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CERTI012                    | Information Technology Specialist (ITS) - Python          | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                            | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CERTI013                    | Information Technology Specialist (ITS) – Java            | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology          | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing | 3                                               |                                                             | 1511100112          |                       | Network Systems Technology               | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CISCO005                    | Cisco Certified Network Professional (CCNP)               | 12                                              |                                                             | 1615120100          |                       | Computer Engineering Technology          | Manufacturing                            | 68 credit hours                 |
| Gulf Coast State College | CISCO005                    | Cisco Certified Network Professional (CCNP)               | 12                                              |                                                             | 1615030302          |                       | Telecommunication Engineering Technology | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Gulf Coast State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                  | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology          | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                  | 3                                               |                                                             | 1511100307          |                       | IT Security                              | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CISCO026                    | Cisco Certified Network Associate (CCNA)                  | 6                                               |                                                             | 1511100112          |                       | Network Systems Technology               | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity   | 3                                               |                                                             | 1511100112          |                       | Network Systems Technology               | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity   | 3                                               |                                                             | 1511100307          |                       | IT Security                              | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity   | 3                                               |                                                             | 1511100300          |                       | Cybersecurity Operations                 | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity   | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                            | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | CISCO029                    | Cisco Certified Support Technician (CCST) Networking      | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology          | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | COMPT001                    | CompTIA A+                                                | 6                                               |                                                             | 1615120100          |                       | Computer Engineering Technology          | Manufacturing                            | 68 credit hours                 |
| Gulf Coast State College | COMPT005                    | CompTIA Linux+                                            | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis        | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | COMPT006                    | CompTIA Network+                                          | 3                                               |                                                             | 1615120100          |                       | Computer Engineering Technology          | Manufacturing                            | 68 credit hours                 |
| Gulf Coast State College | COMPT007                    | CompTIA Project+                                          | 3                                               |                                                             | 1511100112          |                       | Network Systems Technology               | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | COMPT007                    | CompTIA Project+                                          | 3                                               |                                                             | 1652020901          |                       | Supply Chain Management                  | Transportation, Distribution & Logistics | 60 credit hours                 |

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| Gulf Coast State College | COMPT007                    | CompTIA Project+                         | 3                                               |                                                             | 1511100509          |                                                                                                                                                                                                                                                                                   | Technology Project Management              | Information Technology               | 60 credit hours                 |
| Gulf Coast State College | COMPT008                    | CompTIA Security+                        | 3                                               |                                                             | 1511100308          |                                                                                                                                                                                                                                                                                   | Cybersecurity                              | Information Technology               | 60 credit hours                 |
| Gulf Coast State College | COMPT008                    | CompTIA Security+                        | 3                                               |                                                             | 1511100300          |                                                                                                                                                                                                                                                                                   | Cybersecurity Operations                   | Information Technology               | 60 credit hours                 |
| Gulf Coast State College | COMPT008                    | CompTIA Security+                        | 3                                               |                                                             | 1552120107          |                                                                                                                                                                                                                                                                                   | E-Business Technology                      | Information Technology               | 60 credit hours                 |
| Gulf Coast State College | COMPT008                    | CompTIA Security+                        | 3                                               |                                                             | 1511100307          |                                                                                                                                                                                                                                                                                   | IT Security                                | Information Technology               | 60 credit hours                 |
| Gulf Coast State College | COMPT009                    | CompTIA Server+                          | 3                                               |                                                             | 1615120100          |                                                                                                                                                                                                                                                                                   | Computer Engineering Technology            | Manufacturing                        | 68 credit hours                 |
| Gulf Coast State College | COMPT009                    | CompTIA Server+                          | 3                                               |                                                             | 1511010307          |                                                                                                                                                                                                                                                                                   | Computer Information Technology            | Information Technology               | 60 credit hours                 |
| Gulf Coast State College | COMPT009                    | CompTIA Server+                          | 3                                               |                                                             | 1511100112          |                                                                                                                                                                                                                                                                                   | Network Systems Technology                 | Information Technology               | 60 credit hours                 |
| Gulf Coast State College | COMPT018                    | CompTIA Tech+                            | 3                                               |                                                             | 1511010307          |                                                                                                                                                                                                                                                                                   | Computer Information Technology            | Information Technology               | 60 credit hours                 |
| Gulf Coast State College | COMPT018                    | CompTIA Tech+                            | 3                                               |                                                             | 1511020101          |                                                                                                                                                                                                                                                                                   | Computer Programming and Analysis          | Information Technology               | 60 credit hours                 |
| Gulf Coast State College | COMPT018                    | CompTIA Tech+                            | 3                                               |                                                             | 1530700100          |                                                                                                                                                                                                                                                                                   | Data Science Technology                    | Information Technology               | 60 credit hours                 |
| Gulf Coast State College | COMPT018                    | CompTIA Tech+                            | 3                                               |                                                             | 1511100112          |                                                                                                                                                                                                                                                                                   | Network Systems Technology                 | Information Technology               | 60 credit hours                 |
| Gulf Coast State College | CPREC001                    | Child Development Associate (CDA)        | 9                                               |                                                             | 1413121004          |                                                                                                                                                                                                                                                                                   | Early Childhood Education                  | Education and Training               | 60 credit hours                 |
| Gulf Coast State College | CPREC001                    | Child Development Associate (CDA)        | 9                                               |                                                             | 1419070802          |                                                                                                                                                                                                                                                                                   | Early Childhood Management                 | Education and Training               | 60 credit hours                 |
| Gulf Coast State College | DANBD001                    | Certified Dental Assistant (CDA)         | 5                                               |                                                             | 1351060104          |                                                                                                                                                                                                                                                                                   | Dental Assisting Technology and Management | Health Science                       | 70 credit hours                 |
| Gulf Coast State College | DANBD002                    | Certified Orthodontic Assistant          | 3                                               |                                                             | 1351060104          |                                                                                                                                                                                                                                                                                   | Dental Assisting Technology and Management | Health Science                       | 70 credit hours                 |
| Gulf Coast State College | DANBD002                    | Certified Orthodontic Assistant          | 3                                               |                                                             | 1351060200          |                                                                                                                                                                                                                                                                                   | Dental Hygiene                             | Health Science                       | 88 credit hours                 |
| Gulf Coast State College | ENTCP001                    | ETCP Certified Entertainment Electrician | 3                                               |                                                             | 1650091300          |                                                                                                                                                                                                                                                                                   | Music and Sound Production Technology      | Arts, A/V Technology & Communication | 64 credit hours                 |
| Gulf Coast State College | ENTCP001                    | ETCP Certified Entertainment Electrician | 3                                               | 20                                                          | 1650050202          | “TPA 1210 Stagecraft I<br>TPA 1211 Stagecraft II<br>TPA 1290L Technical Theatre Lab I<br>TPA 1291L Technical Theatre Lab II<br>TPA 2292L Technical Theatre Lab III<br>TPA 2293L Technical Theatre Lab IV<br>TPA 1220 Intro to Stage Lighting<br>TPA 2221 Advanced Stage Lighting” | Theater and Entertainment Technology       | Arts, A/V Technology & Communication | 64 credit hours                 |
| Gulf Coast State College | ENTCP003                    | ETCP Certified Rigger – Theatre          | 3                                               |                                                             | 1650091300          |                                                                                                                                                                                                                                                                                   | Music and Sound Production Technology      | Arts, A/V Technology & Communication | 64 credit hours                 |

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|--------------------------|-----------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------|---------------------------------|
| Gulf Coast State College | ENTCP003                    | ETCP Certified Rigger – Theatre                                                                  | 3                                               | 14                                                          | 1650050202          | “ TPA 1210 Stagecraft I 3 hrs/ 3 crs<br>TPA 1211 Stagecraft II 3 hrs /3 crs<br>TPA 1290L Technical Theatre Lab I 3 hrs/ 2crs<br>TPA 1291L Technical Theatre Lab II 3hrs/2crs<br>TPA 2292L Technical Theatre Lab III 3hrs/2crs<br>TPA 2293L Technical Theatre Lab IV 3hrs/ 2crs” | Theater and Entertainment Technology | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Gulf Coast State College | ETAIN008                    | Associate Certified Electronics Technician (CETa)                                                | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                                                                                                 | Electronics Engineering Technology   | Manufacturing                            | 68 credit hours                 |
| Gulf Coast State College | ETAIN008                    | Associate Certified Electronics Technician (CETa)                                                | 3                                               |                                                             | 1615000001          |                                                                                                                                                                                                                                                                                 | Engineering Technology               | Manufacturing                            | 60 credit hours                 |
| Gulf Coast State College | ETAIN012                    | Photonics Technician-Operator (PTO)                                                              | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                                                                                                 | Electronics Engineering Technology   | Manufacturing                            | 68 credit hours                 |
| Gulf Coast State College | ETAIN013                    | Photonics Technician Specialist (PTS)                                                            | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                                                                                                 | Electronics Engineering Technology   | Manufacturing                            | 68 credit hours                 |
| Gulf Coast State College | ETAIN014                    | Photovoltaic Installer (PVI) - Level 1                                                           | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                                                                                                 | Electronics Engineering Technology   | Manufacturing                            | 68 credit hours                 |
| Gulf Coast State College | ETAIN022                    | Specialist in Precision Optics (SPO)                                                             | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                                                                                                 | Electronics Engineering Technology   | Manufacturing                            | 68 credit hours                 |
| Gulf Coast State College | ETAIN023                    | Technician in Precision Optics (TPO)                                                             | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                                                                                                 | Electronics Engineering Technology   | Manufacturing                            | 68 credit hours                 |
| Gulf Coast State College | FDMQA001                    | Basic X-Ray Machine Operator                                                                     | 3                                               |                                                             | 1351091100          |                                                                                                                                                                                                                                                                                 | Radiography                          | Health Science                           | 77 credit hours                 |
| Gulf Coast State College | FDMQA030                    | 911 Public Safety Telecommunicator                                                               | 3                                               |                                                             | 1743010302          |                                                                                                                                                                                                                                                                                 | Criminal Justice Technology          | Law, Public Safety & Security            | 60 credit hours                 |
| Gulf Coast State College | FEDAA004                    | FAA Aviation Mechanic Technician - Airframe                                                      | 36                                              |                                                             | 1649010401          |                                                                                                                                                                                                                                                                                 | Aviation Maintenance Management      | Transportation, Distribution & Logistics | 83 credit hours                 |
| Gulf Coast State College | FEDAA004 and FEDAA010       | FAA Aviation Mechanic Technician - Airframe and FAA Aviation Maintenance Technician - Powerplant | 24                                              |                                                             | 1647060700          |                                                                                                                                                                                                                                                                                 | Aviation Maintenance Administration  | Transportation, Distribution & Logistics | 60 credit hours                 |
| Gulf Coast State College | FEDAA005                    | FAA Certified Flight Instructor License                                                          | 3                                               |                                                             | 1649010200          |                                                                                                                                                                                                                                                                                 | Professional Pilot Technology        | Transportation, Distribution & Logistics | 64 credit hours                 |
| Gulf Coast State College | FEDAA006                    | FAA Commercial Pilot                                                                             | 3                                               |                                                             | 1649010200          |                                                                                                                                                                                                                                                                                 | Professional Pilot Technology        | Transportation, Distribution & Logistics | 64 credit hours                 |
| Gulf Coast State College | FEDAA010                    | FAA Aviation Maintenance Technician - Powerplant                                                 | 24                                              |                                                             | 1649010401          |                                                                                                                                                                                                                                                                                 | Aviation Maintenance Management      | Transportation, Distribution & Logistics | 83 credit hours                 |
| Gulf Coast State College | FEDAA011                    | FAA Private Pilot                                                                                | 3                                               |                                                             | 1649010200          |                                                                                                                                                                                                                                                                                 | Professional Pilot Technology        | Transportation, Distribution & Logistics | 64 credit hours                 |
| Gulf Coast State College | FEDAA013                    | FAA Ground School                                                                                | 3                                               |                                                             | 1615080102          |                                                                                                                                                                                                                                                                                 | Unmanned Vehicle Systems Operations  | Transportation, Distribution & Logistics | 62 credit hours                 |
| Gulf Coast State College | FEDAA021                    | E12FAA Instrument Airplane Rating                                                                | 3                                               |                                                             | 1649010200          |                                                                                                                                                                                                                                                                                 | Professional Pilot Technology        | Transportation, Distribution & Logistics | 64 credit hours                 |
| Gulf Coast State College | FEDAA022                    | FAA Aircraft Dispatcher Certification (14 CFR Part 65)                                           | 3                                               |                                                             | 1649010403          |                                                                                                                                                                                                                                                                                 | Aviation Administration              | Transportation, Distribution & Logistics | 60 credit hours                 |

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|--------------------------|-----------------------------|---------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------------------|---------------------------------|
| Gulf Coast State College | FLDLE002                    | Correctional Officer                                                            | 6                                               | 436 ct / 14.4 v                                             | 1743010302          | “CJD0939, Correctional Officer Capstone<br>CJK0031C, CMS First Aid for Criminal Justice Officers<br>CJK0040C, CMS Firearms<br>CJK0051C, CMS Defensive Tactics<br>CJK0300, Introduction to Corrections<br>CJK0305, Communications<br>CJK0310, Officer Safety<br>CJK0315, Facility and Equipment<br>CJK0320, Intake and Release<br>CJK0325, Supervising in a Correctional Facility<br>CJK0330, Supervising Special Populations<br>CJK0335, Responding to Incidents and Emergencies<br>CJK0340, Officer Wellness and Physical Abilities”                                                                                                                                                                                                                                                                                                                          | Criminal Justice Technology | Law, Public Safety & Security            | 60 credit hours                 |
| Gulf Coast State College | FLDLE003                    | Correctional Probation Officer                                                  | 6                                               |                                                             | 1743010302          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Criminal Justice Technology | Law, Public Safety & Security            | 60 credit hours                 |
| Gulf Coast State College | FLDLE004                    | Law Enforcement Officer                                                         | 12                                              | 770 ct / 25.6 v                                             | 1743010302          | “CJK0002, Intro to Law Enforcement<br>CJK0016, Communication<br>CJK0018, Legal<br>CJK0019, Interviewing and Report Writing<br>CJK0063, Fundamentals of Patrol<br>CJK0021, Serving Your Community<br>CJK0072, Crimes Against Persons<br>CJK0073, Crimes Involving Property and Society<br>CJK0079, Crime Scene Follow-Up Investigations<br>CJK0400, Traffic Incidents<br>CJK0401, Traffic Stops<br>CJK0402, Traffic Crash Investigations<br>CJK0403, DUI Traffic Stops<br>CJK0093, Critical Incidents<br>CJK0020C, Law Enforcement CMS Vehicle Operations<br>CJK0031C, CMS First Aid for Criminal Justice Officers<br>CJK0040C, Law Enforcement CMS Criminal Justice Firearrms<br>CJK0051C, CMS Criminal Justice Defensive Tactics<br>CJK0422, Conducted Electrical Weapon/Dart-Firing Stun Gun<br>CJK0096, Criminal Justice Officer Physical Fitness Training” | Criminal Justice Technology | Law, Public Safety & Security            | 60 credit hours                 |
| Gulf Coast State College | FLDOE004                    | Florida Teacher Certification Examinations (FTCE) - Professional Education Test | 3                                               |                                                             | 1413121004          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Early Childhood Education   | Education and Training                   | 60 credit hours                 |
| Gulf Coast State College | FLFBR001                    | Agriotechnology Specialist Certification                                        | 3                                               |                                                             | 1101010100          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Agribusiness Management     | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Gulf Coast State College | FLFBR005                    | Animal Science Specialist Certification                                         | 3                                               |                                                             | 1101010100          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Agribusiness Management     | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Gulf Coast State College | FLSFM006                    | Fire Fighter II                                                                 | 3                                               | 301 ct / 10.0 vc                                            | 1743020112          | FFP0031, Firefighter 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Fire Science Technology     | Law, Public Safety & Security            | 60 credit hours                 |
| Gulf Coast State College | FLSFM007                    | Fire Safety Inspector I                                                         | 12                                              | 15                                                          | 1743020112          | “FFP1505, Fire Prevention Practices (3 hrs)<br>FFP1540, Fire Protection Systems/Devices (3 hrs)<br>FFP2120, Building Construction (3 hrs)<br>FFP1510, Building and Fire Codes (3 hrs)<br>FFP2521, Blueprint Reading & Plans Exam (3 hrs)”                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Fire Science Technology     | Law, Public Safety & Security            | 60 credit hours                 |
| Gulf Coast State College | FLSFM013                    | Fire Officer I                                                                  | 12                                              | 12                                                          | 1743020112          | “FFP2810, Firefighting Strategies and Tactics I (3 hrs)<br>FFP2720, Company Officer (3 hrs)<br>FFP2120, Building Construction (3 hrs)<br>FFP2740, Fire Science Instructor Techniques (3 hrs)”                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Fire Science Technology     | Law, Public Safety & Security            | 60 credit hours                 |
| Gulf Coast State College | FLSFM014                    | Fire Officer II                                                                 | 15                                              | 12                                                          | 1743020112          | “FFP1505, Fire Prevention Practices (3 hrs)<br>FFP1540, Fire Protection Systems/Devices (3 hrs)<br>FFP1741, Fire Service Course Design (3 hrs)<br>FFP2811, Firefighting Strategies and Tactics II (3 hrs)”                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Fire Science Technology     | Law, Public Safety & Security            | 60 credit hours                 |
| Gulf Coast State College | FLVMA002                    | Certified Veterinary Assistant (CVA)                                            | 3                                               |                                                             | 1301830100          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Veterinary Technology       | Agriculture, Food, and Natural Resources | 73 credit hours                 |
| Gulf Coast State College | FMAIN001                    | Precision Sheetmetal Operator - Level I (PSMO)                                  | 3                                               |                                                             | 1615061307          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Manufacturing Technology    | Manufacturing                            | 64 credit hours                 |

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|--------------------------|-----------------------------|----------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------|----------------------------------------------------------------|------------------------------------------|---------------------------------|
| Gulf Coast State College | FNGLA001                    | Certified Horticulture Professional                | 6                                               |                                                             | 1101060701          |                       | Golf Course Operations                                         | Agriculture, Food, and Natural Resources | 69 credit hours                 |
| Gulf Coast State College | FNGLA001                    | Certified Horticulture Professional                | 6                                               |                                                             | 1101060502          |                       | Landscape & Horticulture Technology                            | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Gulf Coast State College | FNGLA003                    | FNGLA Certified Landscape Maintenance Technician   | 3                                               |                                                             | 1101060502          |                       | Landscape & Horticulture Technology                            | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Gulf Coast State College | FNGLA004                    | FNGLA Certified Landscape Technician               | 3                                               |                                                             | 1101060502          |                       | Landscape & Horticulture Technology                            | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Gulf Coast State College | GLIAC008                    | GIAC Penetration Tester (GPEN)                     | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                                                  | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | GLIAC009                    | GIAC Certified Incident Handler (GCIH)             | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                                                  | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | GLIAC009                    | GIAC Certified Incident Handler (GCIH)             | 3                                               |                                                             | 1511100307          |                       | IT Security                                                    | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | GRBCI002                    | LEED Green Associate                               | 2                                               |                                                             | 1615100102          |                       | Building Construction Technology                               | Architecture & Construction              | 60 credit hours                 |
| Gulf Coast State College | GRBCI002                    | LEED Green Associate                               | 3                                               |                                                             | 1715020101          |                       | Civil Engineering Technology                                   | Architecture & Construction              | 60 credit hours                 |
| Gulf Coast State College | GRBCI002                    | LEED Green Associate                               | 3                                               |                                                             | 1615130202          |                       | Computer-Aided Drafting and Design                             | Architecture & Construction              | 60 credit hours                 |
| Gulf Coast State College | GRBCI002                    | LEED Green Associate                               | 3                                               |                                                             | 1646041201          |                       | Construction Management Technology                             | Architecture & Construction              | 60 credit hours                 |
| Gulf Coast State College | HVACE001                    | HVAC Excellence Employment Ready - Heat Pump       | 4                                               |                                                             | 0615050100          |                       | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |
| Gulf Coast State College | HVACE002                    | HVAC Excellence EmploymentReady - Air Conditioning | 4                                               |                                                             | 0615050100          |                       | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |
| Gulf Coast State College | HVACE011                    | HVAC Excellence Employment Ready - Electrical      | 4                                               |                                                             | 0615050100          |                       | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction              | 64 credit hours                 |
| Gulf Coast State College | ICOEC005                    | EC-Council Cyber Forensics Associate               | 3                                               | 3                                                           | 1511100308          | CIS2381               | Cybersecurity                                                  | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | ICOEC006                    | EC-Council Ethical Hacker Associate                | 3                                               | 3                                                           | 1511100308          | CIS2352               | Cybersecurity                                                  | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | ICOEC006                    | EC-Council Ethical Hacker Associate                | 3                                               |                                                             | 1511100307          |                       | IT Security                                                    | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | ICOEC006                    | EC-Council Ethical Hacker Associate                | 3                                               |                                                             | 1511100112          |                       | Network Systems Technology                                     | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | ICOEC010                    | EC-Council Digital Forensics Essentials (DFE)      | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                                                  | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | ICOEC011                    | EC-Council Ethical Hacking Essentials (EHE)        | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                                                  | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | IHKBZ002                    | Electronics Technician for Industrial Engineering  | 3                                               |                                                             | 1615061307          |                       | Manufacturing Technology                                       | Manufacturing                            | 64 credit hours                 |
| Gulf Coast State College | IHKBZ004                    | Mechatronics Fitter                                | 3                                               |                                                             | 1615061307          |                       | Manufacturing Technology                                       | Manufacturing                            | 64 credit hours                 |

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|--------------------------|-----------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|-----------------------|------------------------------------------------------|----------------------------------------------|------------------------------------|
| Gulf Coast State College | INTUT001                          | Quickbooks Certified User                                                             | 3                                                           |                                                                         | 1552030201             |                       | Accounting<br>Technology                             | Business<br>Management and<br>Administration | 60 credit hours                    |
| Gulf Coast State College | INTUT001                          | Quickbooks Certified User                                                             | 3                                                           |                                                                         | 1552020102             |                       | Business<br>Administration                           | Business<br>Management and<br>Administration | 60 credit hours                    |
| Gulf Coast State College | INTUT001                          | Quickbooks Certified User                                                             | 3                                                           |                                                                         | 1552070308             |                       | Business<br>Entrepreneurship                         | Business<br>Management and<br>Administration | 60 credit hours                    |
| Gulf Coast State College | INTUT002                          | Entrepreneurship & Small Business                                                     | 3                                                           |                                                                         | 1552020102             |                       | Business<br>Administration                           | Business<br>Management and<br>Administration | 60 credit hours                    |
| Gulf Coast State College | INTUT002                          | Entrepreneurship & Small Business                                                     | 3                                                           |                                                                         | 1552070308             |                       | Business<br>Entrepreneurship                         | Business<br>Management and<br>Administration | 60 credit hours                    |
| Gulf Coast State College | INTUT003                          | Master Entrepreneurship Certification                                                 | 3                                                           |                                                                         | 1552020102             |                       | Business<br>Administration                           | Business<br>Management and<br>Administration | 60 credit hours                    |
| Gulf Coast State College | INTUT003                          | Master Entrepreneurship Certification                                                 | 3                                                           |                                                                         | 1552070308             |                       | Business<br>Entrepreneurship                         | Business<br>Management and<br>Administration | 60 credit hours                    |
| Gulf Coast State College | INTUT004                          | Intuit Certified Bookkeeping Professional                                             | 3                                                           |                                                                         | 1552030201             |                       | Accounting<br>Technology                             | Business<br>Management and<br>Administration | 60 credit hours                    |
| Gulf Coast State College | IPCEI002                          | Certified IPC Specialist (CIS) IPC J-STD-001<br>Certification                         | 3                                                           |                                                                         | 1615030301             |                       | Electronics<br>Engineering<br>Technology             | Manufacturing                                | 68 credit hours                    |
| Gulf Coast State College | IPCEI002                          | Certified IPC Specialist (CIS) IPC J-STD-001<br>Certification                         | 3                                                           |                                                                         | 1615000001             |                       | Engineering<br>Technology                            | Manufacturing                                | 60 credit hours                    |
| Gulf Coast State College | IPCEI003                          | Certified IPC Specialist (CIS) IPC-A-610<br>Certification                             | 3                                                           |                                                                         | 1615030301             |                       | Electronics<br>Engineering<br>Technology             | Manufacturing                                | 68 credit hours                    |
| Gulf Coast State College | IPCEI003                          | Certified IPC Specialist (CIS) IPC-A-610<br>Certification                             | 3                                                           |                                                                         | 1615000001             |                       | Engineering<br>Technology                            | Manufacturing                                | 60 credit hours                    |
| Gulf Coast State College | ISOGR007                          | TOSA® Autodesk AutoCAD Certified User -<br>Expert (Postsecondary)                     | 3                                                           |                                                                         | 1604090100             |                       | Architectural Design<br>& Construction<br>Technology | Architecture &<br>Construction               | 66 credit hours                    |
| Gulf Coast State College | ISOGR007                          | TOSA® Autodesk AutoCAD Certified User -<br>Expert (Postsecondary)                     | 3                                                           |                                                                         | 1615130202             |                       | Computer-Aided<br>Drafting and Design                | Architecture &<br>Construction               | 60 credit hours                    |
| Gulf Coast State College | ISOGR008                          | TOSA® Graphics Certified User – Expert Level<br>(Postsecondary)                       | 3                                                           |                                                                         | 1611080103             |                       | Digital Media/<br>Multimedia<br>Technology           | Arts, A/V Technology<br>& Communication      | 60 credit hours                    |
| Gulf Coast State College | ISOGR008                          | TOSA® Graphics Certified User – Expert Level<br>(Postsecondary)                       | 3                                                           |                                                                         | 1611080300             |                       | Graphics Technology                                  | Arts, A/V Technology<br>& Communication      | 64 credit hours                    |
| Gulf Coast State College | ISOGR009                          | TOSA® Web Developer – Expert Level<br>(Postsecondary)                                 | 3                                                           |                                                                         | 1511100400             |                       | Internet Services<br>Technology                      | Information<br>Technology                    | 60 credit hours                    |
| Gulf Coast State College | ISOGR010                          | TOSA® JavaScript Certified User – Expert<br>Level (Postsecondary)                     | 3                                                           |                                                                         | 1511020101             |                       | Computer<br>Programming and<br>Analysis              | Information<br>Technology                    | 60 credit hours                    |
| Gulf Coast State College | ISOGR011                          | TOSA® Python Certified User – Expert Level<br>(Postsecondary)                         | 3                                                           |                                                                         | 1511020101             |                       | Computer<br>Programming and<br>Analysis              | Information<br>Technology                    | 60 credit hours                    |
| Gulf Coast State College | ISOGR012                          | TOSA® Graphics Certified User for Adobe -<br>Visual Design (Advanced Level or Higher) | 3                                                           |                                                                         | 1611080103             |                       | Digital Media/<br>Multimedia<br>Technology           | Arts, A/V Technology<br>& Communication      | 60 credit hours                    |

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|--------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------|----------------------------------------------------------------|----------------------------------------|---------------------------------|
| Gulf Coast State College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher)                                                                  | 3                                               |                                                             | 1611080300          |                       | Graphics Technology                                            | Arts, A/V Technology & Communication   | 64 credit hours                 |
| Gulf Coast State College | KNOWL001                    | Python Coding Specialist                                                                                                                            | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis                              | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | KNOWL005                    | C# Coding Specialist                                                                                                                                | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis                              | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | KNOWL006                    | C# Coding Apprentice                                                                                                                                | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis                              | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | KNOWL007                    | .NET Coding Specialist                                                                                                                              | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology                                | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | LINPI001                    | Linux Essentials 010                                                                                                                                | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology                                | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | LINPI001                    | Linux Essentials 010                                                                                                                                | 3                                               |                                                             | 1511100308          |                       | Cybersecurity                                                  | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | LINPI001                    | Linux Essentials 010                                                                                                                                | 3                                               |                                                             | 1530700100          |                       | Data Science Technology                                        | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | LINPI001                    | Linux Essentials 010                                                                                                                                | 3                                               |                                                             | 1511100112          |                       | Network Systems Technology                                     | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | MICRO017                    | Microsoft Office Specialist Master: Microsoft Office 2016 Master Specialist (Requires Word Expert, Excel Expert, PowerPoint, and Access or Outlook) | 3                                               |                                                             | 1552020401          |                       | Office Administration                                          | Business Management and Administration | 60 credit hours                 |
| Gulf Coast State College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                                                                                          | 6                                               |                                                             | 1615030301          |                       | Electronics Engineering Technology                             | Manufacturing                          | 68 credit hours                 |
| Gulf Coast State College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                                                                                          | 15                                              |                                                             | 1615000001          |                       | Engineering Technology                                         | Manufacturing                          | 60 credit hours                 |
| Gulf Coast State College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                                                                                          | 9                                               |                                                             | 1615061307          |                       | Manufacturing Technology                                       | Manufacturing                          | 64 credit hours                 |
| Gulf Coast State College | NAOLA002                    | Certified Paralegal/Certified Legal Assistant (CP/CLA)                                                                                              | 3                                               |                                                             | 1722030200          |                       | Paralegal Studies (Legal Assisting)                            | Law, Public Safety & Security          | 64 credit hours                 |
| Gulf Coast State College | NATEX001                    | Air Conditioning Service Technician                                                                                                                 | 3                                               |                                                             | 0615050100          |                       | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction            | 64 credit hours                 |
| Gulf Coast State College | NATEX002                    | Air Conditioning Installation Specialization                                                                                                        | 4                                               |                                                             | 0615050100          |                       | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction            | 64 credit hours                 |
| Gulf Coast State College | NATEX003                    | Air to Air Heat Pump Installation Technician                                                                                                        | 4                                               |                                                             | 0615050100          |                       | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction            | 64 credit hours                 |
| Gulf Coast State College | NATHA007                    | Certified Phlebotomy Technician (CPT)                                                                                                               | 1                                               |                                                             | 1351100405          |                       | Medical Laboratory Technology                                  | Health Science                         | 76 credit hours                 |
| Gulf Coast State College | NATHA009                    | Certified Clinical Medical Assistant (CCMA)                                                                                                         | 3                                               |                                                             | 1351070101          |                       | Health Services Management                                     | Health Science                         | 60 credit hours                 |
| Gulf Coast State College | NATHA009                    | Certified Clinical Medical Assistant (CCMA)                                                                                                         | 3                                               |                                                             | 1551070500          |                       | Medical Office Administration                                  | Business Management and Administration | 60 credit hours                 |

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|--------------------------|-----------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|-----------------------|-------------------------------------------------------------------------|------------------------------------------------|------------------------------------|
| Gulf Coast State College | NATHA010                          | Certified Pharmacy Technician (CPhT)                                            | 9                                                           |                                                                         | 1351080502             |                       | Pharmacy<br>Management                                                  | Health Science                                 | 70 credit hours                    |
| Gulf Coast State College | NCATT003                          | Aerospace / Aircraft Assembly (AAA)                                             | 9                                                           |                                                                         | 1615080100             |                       | Aerospace<br>Technology                                                 | Manufacturing                                  | 64 credit hours                    |
| Gulf Coast State College | NCCER008                          | NCCER Construction Technology (Secondary)                                       | 3                                                           |                                                                         | 1604090100             |                       | Architectural Design<br>& Construction<br>Technology                    | Architecture &<br>Construction                 | 66 credit hours                    |
| Gulf Coast State College | NCCER018                          | NCCER HVAC - Level 1 (Secondary)                                                | 3                                                           |                                                                         | 0615050100             |                       | Air Conditioning,<br>Refrigeration and<br>Heating Systems<br>Technology | Architecture &<br>Construction                 | 64 credit hours                    |
| Gulf Coast State College | NCCER061                          | NCCER Welding - Level 1 (Secondary)                                             | 3                                                           |                                                                         | 0647060500             |                       | Marine Engineering,<br>Management &<br>Seamanship                       | Transportation,<br>Distribution &<br>Logistics | 66 credit hours                    |
| Gulf Coast State College | NCCER098                          | NCCER Manufactured Construction<br>Technology - Level 1 (Secondary)             | 3                                                           |                                                                         | 1615100102             |                       | Building Construction<br>Technology                                     | Architecture &<br>Construction                 | 60 credit hours                    |
| Gulf Coast State College | NCCER099                          | NCCER Manufactured Construction<br>Technology - Level 2 (Secondary)             | 3                                                           |                                                                         | 1615100102             |                       | Building Construction<br>Technology                                     | Architecture &<br>Construction                 | 60 credit hours                    |
| Gulf Coast State College | NCCER101                          | NCCER HVACR Level 1                                                             | 3                                                           |                                                                         | 0615050100             |                       | Air Conditioning,<br>Refrigeration and<br>Heating Systems<br>Technology | Architecture &<br>Construction                 | 64 credit hours                    |
| Gulf Coast State College | NCCER215                          | NCCER Electronic Systems Technician - Level<br>4 (Postsecondary)                | 3                                                           |                                                                         | 1615170100             |                       | Energy Management<br>and Controls<br>Technology                         | Energy                                         | 60 credit hours                    |
| Gulf Coast State College | NCCER222                          | NCCER HVAC - Level 4 (Postsecondary)                                            | 3                                                           |                                                                         | 0615050100             |                       | Air Conditioning,<br>Refrigeration and<br>Heating Systems<br>Technology | Architecture &<br>Construction                 | 64 credit hours                    |
| Gulf Coast State College | NCCER266                          | NCCER Industrial Maintenance Mechanic<br>Level 4                                | 3                                                           |                                                                         | 1615000001             |                       | Engineering<br>Technology                                               | Manufacturing                                  | 60 credit hours                    |
| Gulf Coast State College | NCDLT001                          | Certified Dental Technician                                                     | 3                                                           |                                                                         | 1351060200             |                       | Dental Hygiene                                                          | Health Science                                 | 88 credit hours                    |
| Gulf Coast State College | NCFCT007                          | National Certified Medical Office Assistant<br>(NCMOA)                          | 6                                                           |                                                                         | 1551070500             |                       | Medical Office<br>Administration                                        | Business<br>Management and<br>Administration   | 60 credit hours                    |
| Gulf Coast State College | NCFCT008                          | National Certified Patient Care Technician<br>(NCPCT)                           | 3                                                           |                                                                         | 1351070101             |                       | Health Services<br>Management                                           | Health Science                                 | 60 credit hours                    |
| Gulf Coast State College | NCSBN002                          | National Licensed Practical Nurse (NCLEX-PN)                                    | 10                                                          |                                                                         | 1351380100             |                       | Nursing R.N.                                                            | Health Science                                 | 60 credit hours                    |
| Gulf Coast State College | NIASE005                          | ASE Automobile/Light Truck Technician:<br>Automatic Transmission/Transaxle (A2) | 3                                                           |                                                                         | 0615080300             |                       | Automotive Service<br>Management<br>Technology                          | Transportation,<br>Distribution &<br>Logistics | 68 credit hours                    |
| Gulf Coast State College | NIASE007                          | ASE Automobile/Light Truck Technician:<br>Brakes (A5)                           | 3                                                           |                                                                         | 0615080300             |                       | Automotive Service<br>Management<br>Technology                          | Transportation,<br>Distribution &<br>Logistics | 68 credit hours                    |
| Gulf Coast State College | NIASE008                          | ASE Automobile/Light Truck Technician:<br>Electrical/Electronic Systems (A6)    | 3                                                           |                                                                         | 0615080300             |                       | Automotive Service<br>Management<br>Technology                          | Transportation,<br>Distribution &<br>Logistics | 68 credit hours                    |
| Gulf Coast State College | NIASE009                          | ASE Automobile/Light Truck Technician:<br>Engine Performance (A8)               | 3                                                           |                                                                         | 0615080300             |                       | Automotive Service<br>Management<br>Technology                          | Transportation,<br>Distribution &<br>Logistics | 68 credit hours                    |
| Gulf Coast State College | NIASE010                          | ASE Automobile/Light Truck Technician:<br>Engine Repair (A1)                    | 3                                                           |                                                                         | 0615080300             |                       | Automotive Service<br>Management<br>Technology                          | Transportation,<br>Distribution &<br>Logistics | 68 credit hours                    |

| INSTITUTION              | INDUSTRY<br>CERTIFICATION<br>CODE | INDUSTRY CERTIFICATION TITLE                                                | NUMBER<br>OF CREDITS<br>ARTICULATED<br>PER GOLD<br>STANDARD | NUMBER<br>OF CREDITS<br>ARTICULATED BY<br>INSTITUTION/<br>CAREER CENTER | 10-DIGIT CIP<br>NUMBER | COLLEGE CREDIT COURSE | ASSOCIATE DEGREE<br>PROGRAM                    | ASSOCIATE DEGREE<br>CAREER CLUSTER             | ASSOCIATE DEGREE<br>PROGRAM LENGTH |
|--------------------------|-----------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|-----------------------|------------------------------------------------|------------------------------------------------|------------------------------------|
| Gulf Coast State College | NIASE011                          | ASE Automobile/Light Truck Technician:<br>Heating and Air Conditioning (A7) | 3                                                           |                                                                         | 0615080300             |                       | Automotive Service<br>Management<br>Technology | Transportation,<br>Distribution &<br>Logistics | 68 credit hours                    |
| Gulf Coast State College | NIASE012                          | ASE Automobile/Light Truck Technician:<br>Manual Drive Train and Axles (A3) | 3                                                           |                                                                         | 0615080300             |                       | Automotive Service<br>Management<br>Technology | Transportation,<br>Distribution &<br>Logistics | 68 credit hours                    |
| Gulf Coast State College | NIASE014                          | ASE Automobile/Light Truck Technician:<br>Suspension and Steering (A4)      | 3                                                           |                                                                         | 0615080300             |                       | Automotive Service<br>Management<br>Technology | Transportation,<br>Distribution &<br>Logistics | 68 credit hours                    |
| Gulf Coast State College | NIASE076                          | ASE Auto Maintenance and Light Repair (G1)                                  | 3                                                           |                                                                         | 0615080300             |                       | Automotive Service<br>Management<br>Technology | Transportation,<br>Distribution &<br>Logistics | 68 credit hours                    |
| Gulf Coast State College | NIFMS001                          | NIMS Machining - CNC Mill Programming<br>Setup & Operations                 | 1                                                           |                                                                         | 1615000001             |                       | Engineering<br>Technology                      | Manufacturing                                  | 60 credit hours                    |
| Gulf Coast State College | NIFMS001                          | NIMS Machining - CNC Mill Programming<br>Setup & Operations                 | 3                                                           |                                                                         | 1615061307             |                       | Manufacturing<br>Technology                    | Manufacturing                                  | 64 credit hours                    |
| Gulf Coast State College | NIFMS002                          | NIMS Machining - CNC Lathe Programming<br>Setup & Operations                | 1                                                           |                                                                         | 1615000001             |                       | Engineering<br>Technology                      | Manufacturing                                  | 60 credit hours                    |
| Gulf Coast State College | NIFMS002                          | NIMS Machining - CNC Lathe Programming<br>Setup & Operations                | 3                                                           |                                                                         | 1615061307             |                       | Manufacturing<br>Technology                    | Manufacturing                                  | 64 credit hours                    |
| Gulf Coast State College | NIFMS007                          | NIMS Machining - Milling II                                                 | 3                                                           |                                                                         | 1615061307             |                       | Manufacturing<br>Technology                    | Manufacturing                                  | 64 credit hours                    |
| Gulf Coast State College | NIFMS008                          | NIMS Machining - Turning I (Between Centers)                                | 3                                                           |                                                                         | 1615061307             |                       | Manufacturing<br>Technology                    | Manufacturing                                  | 64 credit hours                    |
| Gulf Coast State College | NIFMS010                          | NIMS Machining - Turning I (Chucking)                                       | 3                                                           |                                                                         | 1615061307             |                       | Manufacturing<br>Technology                    | Manufacturing                                  | 64 credit hours                    |
| Gulf Coast State College | NIFMS012                          | NIMS Machining Level II - Grinding Skills II                                | 2                                                           |                                                                         | 1615000001             |                       | Engineering<br>Technology                      | Manufacturing                                  | 60 credit hours                    |
| Gulf Coast State College | NIFMS012                          | NIMS Machining Level II - Grinding Skills II                                | 3                                                           |                                                                         | 1615061307             |                       | Manufacturing<br>Technology                    | Manufacturing                                  | 64 credit hours                    |
| Gulf Coast State College | NIFMS013                          | NIMS Machining Level I - Drill Press I                                      | 3                                                           |                                                                         | 1615061307             |                       | Manufacturing<br>Technology                    | Manufacturing                                  | 64 credit hours                    |
| Gulf Coast State College | NRAEF003                          | Certified Food Protection Manager<br>(ServSafe®)                            | 3                                                           |                                                                         | 1612050401             |                       | Culinary<br>Management                         | Hospitality & Tourism                          | 60 credit hours                    |
| Gulf Coast State College | NRAEF003                          | Certified Food Protection Manager<br>(ServSafe®)                            | 3                                                           |                                                                         | 1252090501             |                       | Restaurant<br>Management                       | Hospitality & Tourism                          | 60 credit hours                    |
| Gulf Coast State College | NREMT001                          | Emergency Medical Technician (EMT)                                          | 9                                                           |                                                                         | 1351090402             |                       | Emergency Medical<br>Services                  | Health Science                                 | 73 credit hours                    |
| Gulf Coast State College | NRFSP001                          | Certified Food Safety Manager                                               | 3                                                           |                                                                         | 1612050102             |                       | Baking & Pastry<br>Management                  | Hospitality & Tourism                          | 61 credit hours                    |
| Gulf Coast State College | NRFSP001                          | Certified Food Safety Manager                                               | 2                                                           |                                                                         | 1612050401             |                       | Culinary<br>Management                         | Hospitality & Tourism                          | 60 credit hours                    |
| Gulf Coast State College | NRFSP001                          | Certified Food Safety Manager                                               | 2                                                           |                                                                         | 1252090501             |                       | Restaurant<br>Management                       | Hospitality & Tourism                          | 60 credit hours                    |
| Gulf Coast State College | NRFSP002                          | HACCP Certification                                                         | 3                                                           |                                                                         | 1612050102             |                       | Baking & Pastry<br>Management                  | Hospitality & Tourism                          | 61 credit hours                    |
| Gulf Coast State College | OEDGP001                          | PCAP – Certified Associate in Python<br>Programming                         | 3                                                           |                                                                         | 1511020101             |                       | Computer<br>Programming and<br>Analysis        | Information<br>Technology                      | 60 credit hours                    |
| Gulf Coast State College | ORACL001                          | Oracle Foundations Associate, Database                                      | 6                                                           |                                                                         | 1511080200             |                       | Database Technology                            | Information<br>Technology                      | 60 credit hours                    |

| INSTITUTION              | INDUSTRY CERTIFICATION CODE | INDUSTRY CERTIFICATION TITLE                                                 | NUMBER OF CREDITS ARTICULATED PER GOLD STANDARD | NUMBER OF CREDITS ARTICULATED BY INSTITUTION/ CAREER CENTER | 10-DIGIT CIP NUMBER | COLLEGE CREDIT COURSE | ASSOCIATE DEGREE PROGRAM             | ASSOCIATE DEGREE CAREER CLUSTER        | ASSOCIATE DEGREE PROGRAM LENGTH |
|--------------------------|-----------------------------|------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------|--------------------------------------|----------------------------------------|---------------------------------|
| Gulf Coast State College | ORACL004                    | Oracle Foundations Associate, Java                                           | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology      | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | ORACL004                    | Oracle Foundations Associate, Java                                           | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis    | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | PAHCO001                    | Certified Medical Manager (CMM)                                              | 3                                               |                                                             | 1351070700          |                       | Health Information Technology        | Health Science                         | 70 credit hours                 |
| Gulf Coast State College | PAHCO001                    | Certified Medical Manager (CMM)                                              | 3                                               |                                                             | 1351070101          |                       | Health Services Management           | Health Science                         | 60 credit hours                 |
| Gulf Coast State College | PRMIN004                    | PMI Project Management Ready                                                 | 3                                               |                                                             | 1511100509          |                       | Technology Project Management        | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist                      | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology      | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist                      | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis    | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology      | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                           | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis    | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                | 3                                               |                                                             | 1511010307          |                       | Computer Information Technology      | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis    | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | PROSO030                    | Certified Internet Web (CIW) Data Analyst Specialist                         | 3                                               |                                                             | 1530700101          |                       | Business Intelligence Specialist     | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | PROSO032                    | Certified Internet Web (CIW) User Interface Designer                         | 3                                               |                                                             | 1511020101          |                       | Computer Programming and Analysis    | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | PROSO033                    | Certified Internet Web (CIW) Multimedia Specialist                           | 3                                               |                                                             | 1611080103          |                       | Digital Media/ Multimedia Technology | Arts, A/V Technology & Communication   | 60 credit hours                 |
| Gulf Coast State College | PROSO034                    | Certified Internet Web (CIW) Artificial Intelligence Associate               | 3                                               |                                                             | 1511010200          |                       | Applied Artificial Intelligence      | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | PROSO034                    | Certified Internet Web (CIW) Artificial Intelligence Associate               | 3                                               |                                                             | 1530700100          |                       | Data Science Technology              | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | PROSO035                    | Certified Internet Web (CIW) Artificial Intelligence Data Science Specialist | 3                                               |                                                             | 1511010200          |                       | Applied Artificial Intelligence      | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | PROSO035                    | Certified Internet Web (CIW) Artificial Intelligence Data Science Specialist | 3                                               |                                                             | 1530700100          |                       | Data Science Technology              | Information Technology                 | 60 credit hours                 |
| Gulf Coast State College | PTCBD001                    | Certified Pharmacy Technician (CPhT)                                         | 9                                               |                                                             | 1351080502          |                       | Pharmacy Management                  | Health Science                         | 70 credit hours                 |
| Gulf Coast State College | SALES001                    | Salesforce Certified Administrator                                           | 3                                               |                                                             | 1252140101          |                       | Marketing Management                 | Marketing                              | 60 credit hours                 |
| Gulf Coast State College | SCHRM001                    | SHRM-CP                                                                      | 3                                               | 3                                                           | 1552020102          | MNA1100               | Business Administration              | Business Management and Administration | 60 credit hours                 |

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|--------------------------|-----------------------------|------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|----------------------------------------|---------------------------------------------|------------------------------------------|---------------------------------|
| Gulf Coast State College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations              | 3                                               |                                                             | 1615000001          |                                        | Engineering Technology                      | Manufacturing                            | 60 credit hours                 |
| Gulf Coast State College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations              | 3                                               |                                                             | 1615030301          |                                        | Electronics Engineering Technology          | Manufacturing                            | 68 credit hours                 |
| Gulf Coast State College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations         | 3                                               |                                                             | 1615000001          |                                        | Engineering Technology                      | Manufacturing                            | 60 credit hours                 |
| Gulf Coast State College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations         | 3                                               |                                                             | 1615030301          |                                        | Electronics Engineering Technology          | Manufacturing                            | 68 credit hours                 |
| Gulf Coast State College | SMACA011                    | C-104 Certified Industry 4.0 Associate IV - IIoT Networking & Data Analytics | 3                                               |                                                             | 1615000001          |                                        | Engineering Technology                      | Manufacturing                            | 60 credit hours                 |
| Gulf Coast State College | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)                   | 3                                               |                                                             | 1615000001          |                                        | Engineering Technology                      | Manufacturing                            | 60 credit hours                 |
| Gulf Coast State College | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)                   | 3                                               |                                                             | 1615061307          |                                        | Manufacturing Technology                    | Manufacturing                            | 64 credit hours                 |
| Gulf Coast State College | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)                | 3                                               |                                                             | 1615000001          |                                        | Engineering Technology                      | Manufacturing                            | 60 credit hours                 |
| Gulf Coast State College | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)                | 3                                               |                                                             | 1615080101          |                                        | Simulation Technology                       | Manufacturing                            | 68 credit hours                 |
| Gulf Coast State College | TAFLP001                    | Accredited Legal Professional (ALP)                                          | 3                                               |                                                             | 1552020401          |                                        | Office Administration                       | Business Management and Administration   | 60 credit hours                 |
| Gulf Coast State College | TAFLP001                    | Accredited Legal Professional (ALP)                                          | 3                                               |                                                             | 1722030200          |                                        | Paralegal Studies (Legal Assisting)         | Law, Public Safety & Security            | 64 credit hours                 |
| Gulf Coast State College | TAFLP002                    | Professional Legal Secretary (PLS)                                           | 9                                               |                                                             | 1552020401          |                                        | Office Administration                       | Business Management and Administration   | 60 credit hours                 |
| Gulf Coast State College | UNITY001                    | Unity Certified Associate                                                    | 6                                               |                                                             | 1550041100          |                                        | Game Development Design                     | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | UNITY002                    | Unity Certified User: Programmer                                             | 6                                               |                                                             | 1550041100          |                                        | Game Development Design                     | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | UNITY005                    | Unity Certified Associate: Artist                                            | 3                                               |                                                             | 1610030400          |                                        | Animation and Game Art                      | Arts, A/V Technology & Communication     | 60 credit hours                 |
| Gulf Coast State College | UNITY005                    | Unity Certified Associate: Artist                                            | 3                                               |                                                             | 1550041100          |                                        | Game Development Design                     | Information Technology                   | 60 credit hours                 |
| Gulf Coast State College | UNITY006                    | Unity Certified Associate: Game Developer                                    | 3                                               |                                                             | 1610030400          |                                        | Animation and Game Art                      | Arts, A/V Technology & Communication     | 60 credit hours                 |
| Gulf Coast State College | USINS001                    | Small UAS (sUAS) Safety Certification: Level 1                               | 1                                               |                                                             | 1649010200          |                                        | Professional Pilot Technology               | Transportation, Distribution & Logistics | 64 credit hours                 |
| Miami Dade College       | AIOPB001                    | Certified Bookkeeper                                                         | 3                                               |                                                             | 1552030201          | ACG2450 - Microcomputers in Accounting | Accounting Technology                       | Business Management and Administration   | 60 credit hours                 |
| Miami Dade College       | ABAYC003                    | Marine Electrical Certification                                              | 3                                               |                                                             | 0647060500          |                                        | Marine Engineering, Management & Seamanship | Transportation, Distribution & Logistics | 66 credit hours                 |
| Miami Dade College       | INTUT004                    | Intuit Certified Bookkeeping Professional                                    | 3                                               |                                                             | 1552030201          |                                        | Accounting Technology                       | Business Management and Administration   | 60 credit hours                 |
| Miami Dade College       | INTUT001                    | Quickbooks Certified User                                                    | 3                                               |                                                             | 1552030201          | ACG2450 - Microcomputers in Accounting | Accounting Technology                       | Business Management and Administration   | 60 credit hours                 |

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|--------------------|-----------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|-----------------------|-------------------------------------------------------------------------|----------------------------------------------|------------------------------------|
| Miami Dade College | ACFED002                          | Certified Culinarian (CC)                                            | 6                                                           |                                                                         | 1252090501             |                       | Restaurant<br>Management                                                | Hospitality & Tourism                        | 60 credit hours                    |
| Miami Dade College | ACFAT001                          | Accredited Business Accountant (ABA)                                 | 3                                                           |                                                                         | 1552030201             |                       | Accounting<br>Technology                                                | Business<br>Management and<br>Administration | 60 credit hours                    |
| Miami Dade College | NCATT003                          | Aerospace / Aircraft Assembly (AAA)                                  | 9                                                           |                                                                         | 1615080100             |                       | Aerospace<br>Technology                                                 | Manufacturing                                | 64 credit hours                    |
| Miami Dade College | NATEX001                          | Air Conditioning Service Technician                                  | 3                                                           |                                                                         | 0615050100             |                       | Air Conditioning,<br>Refrigeration and<br>Heating Systems<br>Technology | Architecture &<br>Construction               | 64 credit hours                    |
| Miami Dade College | ADESK002                          | Autodesk Certified User - AutoCAD                                    | 3                                                           |                                                                         | 1615130202             |                       | Computer-Aided<br>Drafting and Design                                   | Architecture &<br>Construction               | 60 credit hours                    |
| Miami Dade College | NATEX002                          | Air Conditioning Installation Specialization                         | 4                                                           |                                                                         | 0615050100             |                       | Air Conditioning,<br>Refrigeration and<br>Heating Systems<br>Technology | Architecture &<br>Construction               | 64 credit hours                    |
| Miami Dade College | NATEX003                          | Air to Air Heat Pump Installation Technician                         | 4                                                           |                                                                         | 0615050100             |                       | Air Conditioning,<br>Refrigeration and<br>Heating Systems<br>Technology | Architecture &<br>Construction               | 64 credit hours                    |
| Miami Dade College | ADESK008                          | Autodesk Certified User - Revit                                      | 3                                                           |                                                                         | 1615130202             |                       | Computer-Aided<br>Drafting and Design                                   | Architecture &<br>Construction               | 60 credit hours                    |
| Miami Dade College | NCCER018                          | NCCER HVAC - Level 1 (Secondary)                                     | 3                                                           |                                                                         | 0615050100             |                       | Air Conditioning,<br>Refrigeration and<br>Heating Systems<br>Technology | Architecture &<br>Construction               | 64 credit hours                    |
| Miami Dade College | ADESK021                          | Autodesk Certified Professional - AutoCAD for<br>Design and Drafting | 3                                                           |                                                                         | 1615130202             |                       | Computer-Aided<br>Drafting and Design                                   | Architecture &<br>Construction               | 60 credit hours                    |
| Miami Dade College | NCCER101                          | NCCER HVACR Level 1                                                  | 3                                                           |                                                                         | 0615050100             |                       | Air Conditioning,<br>Refrigeration and<br>Heating Systems<br>Technology | Architecture &<br>Construction               | 64 credit hours                    |
| Miami Dade College | ADESK024                          | Autodesk Certified Professional - Inventor                           | 3                                                           |                                                                         | 1615000001             |                       | Engineering<br>Technology                                               | Manufacturing                                | 60 credit hours                    |
| Miami Dade College | NCCER222                          | NCCER HVAC - Level 4 (Postsecondary)                                 | 3                                                           |                                                                         | 0615050100             |                       | Air Conditioning,<br>Refrigeration and<br>Heating Systems<br>Technology | Architecture &<br>Construction               | 64 credit hours                    |
| Miami Dade College | UNITY005                          | Unity Certified Associate: Artist                                    | 3                                                           |                                                                         | 1610030400             |                       | Animation and Game<br>Art                                               | Arts, A/V Technology<br>& Communication      | 60 credit hours                    |
| Miami Dade College | ADESK032                          | Autodesk Certified User - Fusion 360                                 | 3                                                           |                                                                         | 1615000001             |                       | Engineering<br>Technology                                               | Manufacturing                                | 60 credit hours                    |
| Miami Dade College | ADESK033                          | Autodesk Certified Associate in CAD for<br>Mechanical Design         | 3                                                           |                                                                         | 1615000001             |                       | Engineering<br>Technology                                               | Manufacturing                                | 60 credit hours                    |
| Miami Dade College | ADESK035                          | Autodesk Certified Associate in CAM for<br>Turning                   | 3                                                           |                                                                         | 1615000001             |                       | Engineering<br>Technology                                               | Manufacturing                                | 60 credit hours                    |
| Miami Dade College | UNITY006                          | Unity Certified Associate: Game Developer                            | 3                                                           |                                                                         | 1610030400             |                       | Animation and Game<br>Art                                               | Arts, A/V Technology<br>& Communication      | 60 credit hours                    |
| Miami Dade College | PROSO034                          | Certified Internet Web (CIW) Artificial<br>Intelligence Associate    | 3                                                           |                                                                         | 1511010200             |                       | Applied Artificial<br>Intelligence                                      | Information<br>Technology                    | 60 credit hours                    |
| Miami Dade College | ADESK038                          | Autodesk Certified Professional in CAM for 3<br>Axis Milling         | 3                                                           |                                                                         | 1615000001             |                       | Engineering<br>Technology                                               | Manufacturing                                | 60 credit hours                    |
| Miami Dade College | ADESK039                          | Autodesk Certified Professional in Design for<br>Manufacturing       | 3                                                           |                                                                         | 1615000001             |                       | Engineering<br>Technology                                               | Manufacturing                                | 60 credit hours                    |

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|--------------------|-----------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|----------------------------------------------|------------------------------------------------|------------------------------------------|---------------------------------|
| Miami Dade College | PROSO035                    | Certified Internet Web (CIW) Artificial Intelligence Data Science Specialist               | 3                                               |                                                             | 1511010200          |                                              | Applied Artificial Intelligence                | Information Technology                   | 60 credit hours                 |
| Miami Dade College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                   | 3                                               |                                                             | 1615130202          |                                              | Computer-Aided Drafting and Design             | Architecture & Construction              | 60 credit hours                 |
| Miami Dade College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                   | 3                                               |                                                             | 1615000001          |                                              | Engineering Technology                         | Manufacturing                            | 60 credit hours                 |
| Miami Dade College | ADESK025                    | Autodesk Certified Professional - Revit Architecture                                       | 3                                               | 4                                                           | 1604090100          | ARC 2312C - Intro to Building Assembly Model | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Miami Dade College | ADESK002                    | Autodesk Certified User - AutoCAD                                                          | 3                                               | 4                                                           | 1604090100          | ARC 2171 - Computer Aided Drafting           | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Miami Dade College | ADESK008                    | Autodesk Certified User - Revit                                                            | 3                                               |                                                             | 1604090100          |                                              | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Miami Dade College | AMDDA002                    | Certified Apprentice Drafter - Architectural                                               | 3                                               |                                                             | 1604090100          |                                              | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Miami Dade College | ADOBE025                    | Adobe Certified Professional in Web Design (Requires Dreamweaver and Animate or Photoshop) | 3                                               |                                                             | 1511100400          |                                              | Internet Services Technology                   | Information Technology                   | 60 credit hours                 |
| Miami Dade College | CARCH002                    | Chief Architect Certified Apprentice                                                       | 3                                               | 4                                                           | 1604090100          | ARC 1126 - Architectural Drawing 1           | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Miami Dade College | NCCER008                    | NCCER Construction Technology (Secondary)                                                  | 3                                               | 4                                                           | 1604090100          | ARC 1126 - Architectural Drawing 1           | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Miami Dade College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                   | 3                                               |                                                             | 1604090100          |                                              | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Miami Dade College | ISOGR007                    | TOSA® Autodesk AutoCAD Certified User - Expert (Postsecondary)                             | 3                                               |                                                             | 1604090100          |                                              | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| Miami Dade College | NIASE005                    | ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2)               | 3                                               |                                                             | 0615080300          |                                              | Automotive Service Management Technology       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Miami Dade College | AMEDT004                    | Registered Medical Assistant (RMA)                                                         | 3                                               |                                                             | 1551070500          |                                              | Medical Office Administration                  | Business Management and Administration   | 60 credit hours                 |
| Miami Dade College | NIASE007                    | ASE Automobile/Light Truck Technician: Brakes (A5)                                         | 3                                               |                                                             | 0615080300          |                                              | Automotive Service Management Technology       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Miami Dade College | NIASE008                    | ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)                  | 3                                               |                                                             | 0615080300          |                                              | Automotive Service Management Technology       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Miami Dade College | NIASE009                    | ASE Automobile/Light Truck Technician: Engine Performance (A8)                             | 3                                               |                                                             | 0615080300          |                                              | Automotive Service Management Technology       | Transportation, Distribution & Logistics | 68 credit hours                 |
| Miami Dade College | AMSTL004                    | Professional Designation in Supply Chain Management (PLS)                                  | 3                                               |                                                             | 1652020901          |                                              | Supply Chain Management                        | Transportation, Distribution & Logistics | 60 credit hours                 |
| Miami Dade College | NIASE010                    | ASE Automobile/Light Truck Technician: Engine Repair (A1)                                  | 3                                               |                                                             | 0615080300          |                                              | Automotive Service Management Technology       | Transportation, Distribution & Logistics | 68 credit hours                 |

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|--------------------|-----------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|---------------------------------|
| Miami Dade College | NIASE011                    | ASE Automobile/Light Truck Technician: Heating and Air Conditioning (A7)                         | 3                                               |                                                             | 0615080300          |                                                                                                                                                                                                                                                    | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Miami Dade College | NIASE012                    | ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3)                         | 3                                               |                                                             | 0615080300          |                                                                                                                                                                                                                                                    | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Miami Dade College | NIASE014                    | ASE Automobile/Light Truck Technician: Suspension and Steering (A4)                              | 3                                               |                                                             | 0615080300          |                                                                                                                                                                                                                                                    | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Miami Dade College | NIASE076                    | ASE Auto Maintenance and Light Repair (G1)                                                       | 3                                               |                                                             | 0615080300          |                                                                                                                                                                                                                                                    | Automotive Service Management Technology | Transportation, Distribution & Logistics | 68 credit hours                 |
| Miami Dade College | FEDAA022                    | FAA Aircraft Dispatcher Certification (14 CFR Part 65)                                           | 3                                               | 6                                                           | 1649010403          | ASC 1210: Aviation Meteorology Operations      AVM 1022 - Flight                                                                                                                                                                                   | Aviation Administration                  | Transportation, Distribution & Logistics | 60 credit hours                 |
| Miami Dade College | FEDAA004 and FEDAA010       | FAA Aviation Mechanic Technician - Airframe and FAA Aviation Maintenance Technician - Powerplant | 24                                              |                                                             | 1647060700          | &                                                                                                                                                                                                                                                  | Aviation Maintenance Administration      | Transportation, Distribution & Logistics | 60 credit hours                 |
| Miami Dade College | FEDAA010                    | FAA Aviation Maintenance Technician - Powerplant                                                 | 24                                              | 45                                                          | 1649010401          | AVM 9996 - FAA Airframe and Powerplant Certificate                                                                                                                                                                                                 | Aviation Maintenance Management          | Transportation, Distribution & Logistics | 83 credit hours                 |
| Miami Dade College | FEDAA004                    | FAA Aviation Mechanic Technician - Airframe                                                      | 36                                              | 45                                                          | 1649010401          | AVM 9996 - FAA Airframe and Powerplant Certificate                                                                                                                                                                                                 | Aviation Maintenance Management          | Transportation, Distribution & Logistics | 83 credit hours                 |
| Miami Dade College | NRFSP001                    | Certified Food Safety Manager                                                                    | 3                                               |                                                             | 1612050102          |                                                                                                                                                                                                                                                    | Baking & Pastry Management               | Hospitality & Tourism                    | 61 credit hours                 |
| Miami Dade College | NRFSP002                    | HACCP Certification                                                                              | 3                                               |                                                             | 1612050102          |                                                                                                                                                                                                                                                    | Baking & Pastry Management               | Hospitality & Tourism                    | 61 credit hours                 |
| Miami Dade College | CERHB001                    | Biotechnician Assistant                                                                          | 3                                               |                                                             | 1341010100          |                                                                                                                                                                                                                                                    | Biotechnology Laboratory Technology      | Health Science                           | 61 credit hours                 |
| Miami Dade College | ADESK008                    | Autodesk Certified User - Revit                                                                  | 3                                               |                                                             | 1615100102          |                                                                                                                                                                                                                                                    | Building Construction Technology         | Architecture & Construction              | 60 credit hours                 |
| Miami Dade College | GRBCI002                    | LEED Green Associate                                                                             | 2                                               |                                                             | 1615100102          |                                                                                                                                                                                                                                                    | Building Construction Technology         | Architecture & Construction              | 60 credit hours                 |
| Miami Dade College | NCCER098                    | NCCER Manufactured Construction Technology - Level 1 (Secondary)                                 | 3                                               | 17                                                          | 1615100102          | ARC1949 - Co-op Work Experience 1    ARC2180C - Introduction to 3D Building Modeling;    ARC 2461 - Architectural Materials and Construction 1;    BCN 1272 - Building Construction Plans Interpretation 1    BCT 2760 - Building Code Regulations | Building Construction Technology         | Architecture & Construction              | 60 credit hours                 |
| Miami Dade College | NCCER099                    | NCCER Manufactured Construction Technology - Level 2 (Secondary)                                 | 3                                               |                                                             | 1615100102          |                                                                                                                                                                                                                                                    | Building Construction Technology         | Architecture & Construction              | 60 credit hours                 |
| Miami Dade College | INTUT002                    | Entrepreneurship & Small Business                                                                | 3                                               |                                                             | 1552020102          | GEB2112 - Introduction to Entrepreneurship                                                                                                                                                                                                         | Business Administration                  | Business Management and Administration   | 60 credit hours                 |
| Miami Dade College | INTUT003                    | Master Entrepreneurship Certification                                                            | 3                                               |                                                             | 1552020102          |                                                                                                                                                                                                                                                    | Business Administration                  | Business Management and Administration   | 60 credit hours                 |
| Miami Dade College | INTUT001                    | Quickbooks Certified User                                                                        | 3                                               |                                                             | 1552020102          | ACG2450 - Microcomputers in Accounting                                                                                                                                                                                                             | Business Administration                  | Business Management and Administration   | 60 credit hours                 |
| Miami Dade College | SCHRM001                    | SHRM-CP                                                                                          | 3                                               |                                                             | 1552020102          |                                                                                                                                                                                                                                                    | Business Administration                  | Business Management and Administration   | 60 credit hours                 |

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| Miami Dade College | INTUT001                    | Quickbooks Certified User                                                     | 3                                               |                                                             | 1552070308          |                                                                                                                                            | Business Entrepreneurship        | Business Management and Administration | 60 credit hours                 |
| Miami Dade College | INTUT002                    | Entrepreneurship & Small Business                                             | 3                                               |                                                             | 1552070308          |                                                                                                                                            | Business Entrepreneurship        | Business Management and Administration | 60 credit hours                 |
| Miami Dade College | INTUT003                    | Master Entrepreneurship Certification                                         | 3                                               |                                                             | 1552070308          |                                                                                                                                            | Business Entrepreneurship        | Business Management and Administration | 60 credit hours                 |
| Miami Dade College | PROSO030                    | Certified Internet Web (CIW) Data Analyst Specialist                          | 3                                               |                                                             | 1530700101          |                                                                                                                                            | Business Intelligence Specialist | Information Technology                 | 60 credit hours                 |
| Miami Dade College | ADESK023                    | Autodesk Certified Professional - AutoCAD Civil 3D                            | 3                                               |                                                             | 1715020101          | ETD 1110 - Computer Aided Design                                                                                                           | Civil Engineering Technology     | Architecture & Construction            | 60 credit hours                 |
| Miami Dade College | ACOSM001                    | Certified Survey Technician (CST)                                             | 3                                               |                                                             | 1715020101          |                                                                                                                                            | Civil Engineering Technology     | Architecture & Construction            | 60 credit hours                 |
| Miami Dade College | GRBCI002                    | LEED Green Associate                                                          | 3                                               |                                                             | 1715020101          |                                                                                                                                            | Civil Engineering Technology     | Architecture & Construction            | 60 credit hours                 |
| Miami Dade College | CISCO005                    | Cisco Certified Network Professional (CCNP)                                   | 12                                              | 16                                                          | 1615120100          | CTS 1650 - Cisco Fundamentals; CTS 1651 - Routing and Switching; CTS 2652 - Advanced Routing and Switching; CTS 2653 - Connecting Networks | Computer Engineering Technology  | Manufacturing                          | 68 credit hours                 |
| Miami Dade College | COMPT001                    | CompTIA A+                                                                    | 6                                               |                                                             | 1615120100          | CET1171 - Intro to Computer Service Computer Hardward Service CET 1178 - A+                                                                | Computer Engineering Technology  | Manufacturing                          | 68 credit hours                 |
| Miami Dade College | COMPT006                    | CompTIA Network+                                                              | 3                                               |                                                             | 1615120100          | CET 1487C - Network +                                                                                                                      | Computer Engineering Technology  | Manufacturing                          | 68 credit hours                 |
| Miami Dade College | COMPT009                    | CompTIA Server+                                                               | 3                                               | 4                                                           | 1615120100          | CTS 2334 - Configuring Advanced Windows                                                                                                    | Computer Engineering Technology  | Manufacturing                          | 68 credit hours                 |
| Miami Dade College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                 | 3                                               |                                                             | 1511010307          |                                                                                                                                            | Computer Information Technology  | Information Technology                 | 60 credit hours                 |
| Miami Dade College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist                       | 3                                               |                                                             | 1511010307          |                                                                                                                                            | Computer Information Technology  | Information Technology                 | 60 credit hours                 |
| Miami Dade College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist                            | 3                                               | 4                                                           | 1511010307          | COP 2800 - Java Programming                                                                                                                | Computer Information Technology  | Information Technology                 | 60 credit hours                 |
| Miami Dade College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                      | 3                                               |                                                             | 1511010307          |                                                                                                                                            | Computer Information Technology  | Information Technology                 | 60 credit hours                 |
| Miami Dade College | COMPT009                    | CompTIA Server+                                                               | 3                                               |                                                             | 1511010307          |                                                                                                                                            | Computer Information Technology  | Information Technology                 | 60 credit hours                 |
| Miami Dade College | COMPT018                    | CompTIA Tech+                                                                 | 3                                               |                                                             | 1511010307          |                                                                                                                                            | Computer Information Technology  | Information Technology                 | 60 credit hours                 |
| Miami Dade College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               |                                                             | 1511010307          |                                                                                                                                            | Computer Information Technology  | Information Technology                 | 60 credit hours                 |
| Miami Dade College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management | 3                                               |                                                             | 1511010307          |                                                                                                                                            | Computer Information Technology  | Information Technology                 | 60 credit hours                 |

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| Miami Dade College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript          | 3                                               |                                                             | 1511010307          |                             | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Miami Dade College | LINPI001                    | Linux Essentials 010                                          | 3                                               |                                                             | 1511010307          |                             | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Miami Dade College | ORACL004                    | Oracle Foundations Associate, Java                            | 3                                               |                                                             | 1511010307          |                             | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Miami Dade College | KNOWL007                    | .NET Coding Specialist                                        | 3                                               |                                                             | 1511010307          |                             | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Miami Dade College | CISCO029                    | Cisco Certified Support Technician (CCST) Networking          | 3                                               |                                                             | 1511010307          |                             | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Miami Dade College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing     | 3                                               |                                                             | 1511010307          |                             | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| Miami Dade College | APPLE022                    | Apple App Development with Swift Associate                    | 3                                               |                                                             | 1511020101          |                             | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Miami Dade College | APPLE021                    | Apple App Development with Swift Certified User               | 3                                               |                                                             | 1511020101          |                             | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Miami Dade College | KNOWL006                    | C# Coding Apprentice                                          | 3                                               |                                                             | 1511020101          |                             | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Miami Dade College | KNOWL005                    | C# Coding Specialist                                          | 3                                               |                                                             | 1511020101          |                             | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Miami Dade College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist | 3                                               |                                                             | 1511020101          |                             | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Miami Dade College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist       | 3                                               |                                                             | 1511020101          |                             | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Miami Dade College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist            | 3                                               | 4                                                           | 1511020101          | COP 2800 - Java Programming | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Miami Dade College | PROSO032                    | Certified Internet Web (CIW) User Interface Designer          | 3                                               |                                                             | 1511020101          |                             | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Miami Dade College | COMPT005                    | CompTIA Linux+                                                | 3                                               | 4                                                           | 1511020101          | CTS 1111- Linux+            | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Miami Dade College | COMPT018                    | CompTIA Tech+                                                 | 3                                               |                                                             | 1511020101          |                             | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Miami Dade College | CERTI003                    | Information Technology Specialist (ITS) - Databases           | 3                                               |                                                             | 1511020101          |                             | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Miami Dade College | CERTI013                    | Information Technology Specialist (ITS) – Java                | 3                                               |                                                             | 1511020101          |                             | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| Miami Dade College | CPREC001                    | Child Development Associate (CDA)                             | 9                                               |                                                             | 1419070802          |                             | Early Childhood Management        | Education and Training          | 60 credit hours                 |

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| Miami Dade College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript           | 3                                               |                                                             | 1511020101          |                                               | Computer Programming and Analysis  | Information Technology                   | 60 credit hours                 |
| Miami Dade College | CERTI012                    | Information Technology Specialist (ITS) - Python               | 3                                               |                                                             | 1511020101          |                                               | Computer Programming and Analysis  | Information Technology                   | 60 credit hours                 |
| Miami Dade College | ORACL004                    | Oracle Foundations Associate, Java                             | 3                                               |                                                             | 1511020101          |                                               | Computer Programming and Analysis  | Information Technology                   | 60 credit hours                 |
| Miami Dade College | OEDGP001                    | PCAP – Certified Associate in Python Programming               | 3                                               |                                                             | 1511020101          |                                               | Computer Programming and Analysis  | Information Technology                   | 60 credit hours                 |
| Miami Dade College | KNOWL001                    | Python Coding Specialist                                       | 3                                               |                                                             | 1511020101          | COP1047C - Introduction to Python Programming | Computer Programming and Analysis  | Information Technology                   | 60 credit hours                 |
| Miami Dade College | ISOGR010                    | TOSA® JavaScript Certified User – Expert Level (Postsecondary) | 3                                               |                                                             | 1511020101          |                                               | Computer Programming and Analysis  | Information Technology                   | 60 credit hours                 |
| Miami Dade College | ISOGR011                    | TOSA® Python Certified User – Expert Level (Postsecondary)     | 3                                               |                                                             | 1511020101          |                                               | Computer Programming and Analysis  | Information Technology                   | 60 credit hours                 |
| Miami Dade College | GRBCI002                    | LEED Green Associate                                           | 3                                               |                                                             | 1615130202          |                                               | Computer-Aided Drafting and Design | Architecture & Construction              | 60 credit hours                 |
| Miami Dade College | GRBCI002                    | LEED Green Associate                                           | 3                                               |                                                             | 1646041201          |                                               | Construction Management Technology | Architecture & Construction              | 60 credit hours                 |
| Miami Dade College | ISOGR007                    | TOSA® Autodesk AutoCAD Certified User - Expert (Postsecondary) | 3                                               |                                                             | 1615130202          |                                               | Computer-Aided Drafting and Design | Architecture & Construction              | 60 credit hours                 |
| Miami Dade College | FDMQA030                    | 911 Public Safety Telecommunicator                             | 3                                               |                                                             | 1743010302          |                                               | Criminal Justice Technology        | Law, Public Safety & Security            | 60 credit hours                 |
| Miami Dade College | FLDLE002                    | Correctional Officer                                           | 6                                               | Varies Based on Approved Trainings                          | 1743010302          |                                               | Criminal Justice Technology        | Law, Public Safety & Security            | 60 credit hours                 |
| Miami Dade College | FLDLE003                    | Correctional Probation Officer                                 | 6                                               | Varies Based on Approved Trainings                          | 1743010302          |                                               | Criminal Justice Technology        | Law, Public Safety & Security            | 60 credit hours                 |
| Miami Dade College | FLDLE004                    | Law Enforcement Officer                                        | 12                                              | Varies Based on Approved Trainings                          | 1743010302          |                                               | Criminal Justice Technology        | Law, Public Safety & Security            | 60 credit hours                 |
| Miami Dade College | ACFED002                    | Certified Culinarian (CC)                                      | 3                                               |                                                             | 1612050401          | HFT1212 - Safety & Sanitation                 | Culinary Management                | Hospitality & Tourism                    | 60 credit hours                 |
| Miami Dade College | NRAEF003                    | Certified Food Protection Manager (ServSafe®)                  | 3                                               |                                                             | 1612050401          | HFT1212 - Safety & Sanitation                 | Culinary Management                | Hospitality & Tourism                    | 60 credit hours                 |
| Miami Dade College | NRFSP001                    | Certified Food Safety Manager                                  | 2                                               |                                                             | 1612050401          |                                               | Culinary Management                | Hospitality & Tourism                    | 60 credit hours                 |
| Miami Dade College | COMPT008                    | CompTIA Security+                                              | 3                                               | 4                                                           | 1511100308          | CTS 1120 - Cybersecurity Fundamentals         | Cybersecurity                      | Information Technology                   | 60 credit hours                 |
| Miami Dade College | ICOEC005                    | EC-Council Cyber Forensics Associate                           | 3                                               |                                                             | 1511100308          |                                               | Cybersecurity                      | Information Technology                   | 60 credit hours                 |
| Miami Dade College | ICOEC010                    | EC-Council Digital Forensics Essentials (DFE)                  | 3                                               |                                                             | 1511100308          |                                               | Cybersecurity                      | Information Technology                   | 60 credit hours                 |
| Miami Dade College | FLFBR001                    | Agribusiness Specialist Certification                          | 3                                               |                                                             | 1101010100          |                                               | Agribusiness Management            | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Miami Dade College | FLFBR005                    | Animal Science Specialist Certification                        | 3                                               |                                                             | 1101010100          |                                               | Agribusiness Management            | Agriculture, Food, and Natural Resources | 60 credit hours                 |

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| Miami Dade College | ICOEC006                    | EC-Council Ethical Hacker Associate                                           | 3                                               |                                                             | 1511100308          |                                                                                        | Cybersecurity                                                  | Information Technology               | 60 credit hours                 |
| Miami Dade College | ICOEC011                    | EC-Council Ethical Hacking Essentials (EHE)                                   | 3                                               |                                                             | 1511100308          |                                                                                        | Cybersecurity                                                  | Information Technology               | 60 credit hours                 |
| Miami Dade College | GLIAC009                    | GIAC Certified Incident Handler (GCIH)                                        | 3                                               | 4                                                           | 1511100308          | CIS4378 - Ethical Hacking II                                                           | Cybersecurity                                                  | Information Technology               | 60 credit hours                 |
| Miami Dade College | GLIAC008                    | GIAC Penetration Tester (GPEN)                                                | 3                                               | 4                                                           | 1511100308          | CIS4204 - Ethical Hacking 1                                                            | Cybersecurity                                                  | Information Technology               | 60 credit hours                 |
| Miami Dade College | CERTI012                    | Information Technology Specialist (ITS) - Python                              | 3                                               |                                                             | 1511100308          |                                                                                        | Cybersecurity                                                  | Information Technology               | 60 credit hours                 |
| Miami Dade College | LINPI001                    | Linux Essentials 010                                                          | 3                                               |                                                             | 1511100308          |                                                                                        | Cybersecurity                                                  | Information Technology               | 60 credit hours                 |
| Miami Dade College | COMPT008                    | CompTIA Security+                                                             | 3                                               |                                                             | 1511100300          |                                                                                        | Cybersecurity Operations                                       | Information Technology               | 60 credit hours                 |
| Miami Dade College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                       | 3                                               |                                                             | 1511100300          |                                                                                        | Cybersecurity Operations                                       | Information Technology               | 60 credit hours                 |
| Miami Dade College | COMPT018                    | CompTIA Tech+                                                                 | 3                                               |                                                             | 1530700100          |                                                                                        | Data Science Technology                                        | Information Technology               | 60 credit hours                 |
| Miami Dade College | LINPI001                    | Linux Essentials 010                                                          | 3                                               |                                                             | 1530700100          |                                                                                        | Data Science Technology                                        | Information Technology               | 60 credit hours                 |
| Miami Dade College | PROSO034                    | Certified Internet Web (CIW) Artificial Intelligence Associate                | 3                                               |                                                             | 1530700100          |                                                                                        | Data Science Technology                                        | Information Technology               | 60 credit hours                 |
| Miami Dade College | PROSO035                    | Certified Internet Web (CIW) Artificial Intelligence Data Science Specialist  | 3                                               |                                                             | 1530700100          |                                                                                        | Data Science Technology                                        | Information Technology               | 60 credit hours                 |
| Miami Dade College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                       | 3                                               |                                                             | 1511100308          |                                                                                        | Cybersecurity                                                  | Information Technology               | 60 credit hours                 |
| Miami Dade College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management | 3                                               |                                                             | 1511080200          |                                                                                        | Database Technology                                            | Information Technology               | 60 credit hours                 |
| Miami Dade College | DANBD001                    | Certified Dental Assistant (CDA)                                              | 5                                               |                                                             | 1351060104          |                                                                                        | Dental Assisting Technology and Management                     | Health Science                       | 70 credit hours                 |
| Miami Dade College | DANBD002                    | Certified Orthodontic Assistant                                               | 3                                               |                                                             | 1351060104          |                                                                                        | Dental Assisting Technology and Management                     | Health Science                       | 70 credit hours                 |
| Miami Dade College | ORACL001                    | Oracle Foundations Associate, Database                                        | 6                                               | 8                                                           | 1511080200          | CTS 2440 - Intro to Oracle: SQL and PL/SQL   CTS 2441 - Intro to Oracle Database Admin | Database Technology                                            | Information Technology               | 60 credit hours                 |
| Miami Dade College | HVACE001                    | HVAC Excellence Employment Ready - Heat Pump                                  | 4                                               |                                                             | 0615050100          |                                                                                        | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction          | 64 credit hours                 |
| Miami Dade College | HVACE002                    | HVAC Excellence EmploymentReady - Air Conditioning                            | 4                                               |                                                             | 0615050100          |                                                                                        | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction          | 64 credit hours                 |
| Miami Dade College | HVACE011                    | HVAC Excellence Employment Ready - Electrical                                 | 4                                               |                                                             | 0615050100          |                                                                                        | Air Conditioning, Refrigeration and Heating Systems Technology | Architecture & Construction          | 64 credit hours                 |
| Miami Dade College | NCDLT001                    | Certified Dental Technician                                                   | 3                                               |                                                             | 1351060200          |                                                                                        | Dental Hygiene                                                 | Health Science                       | 88 credit hours                 |
| Miami Dade College | PROSO033                    | Certified Internet Web (CIW) Multimedia Specialist                            | 3                                               |                                                             | 1611080103          |                                                                                        | Digital Media/ Multimedia Technology                           | Arts, A/V Technology & Communication | 60 credit hours                 |

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| Miami Dade College | ICOEC006                    | EC-Council Ethical Hacker Associate                                                | 3                                               |                                                             | 1511100307          |                                                                                                                                                                                                               | IT Security                             | Information Technology               | 60 credit hours                 |
| Miami Dade College | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                       | 3                                               |                                                             | 1611080103          |                                                                                                                                                                                                               | Digital Media/ Multimedia Technology    | Arts, A/V Technology & Communication | 60 credit hours                 |
| Miami Dade College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher) | 3                                               |                                                             | 1611080103          |                                                                                                                                                                                                               | Digital Media/ Multimedia Technology    | Arts, A/V Technology & Communication | 60 credit hours                 |
| Miami Dade College | APPLE020                    | Apple Certified Pro (ACP) - Final Cut Pro X                                        | 3                                               |                                                             | 1609070213          |                                                                                                                                                                                                               | Digital Television and Media Production | Arts, A/V Technology & Communication | 60 credit hours                 |
| Miami Dade College | DANBD002                    | Certified Orthodontic Assistant                                                    | 3                                               |                                                             | 1351060200          |                                                                                                                                                                                                               | Dental Hygiene                          | Health Science                       | 88 credit hours                 |
| Miami Dade College | CPREC001                    | Child Development Associate (CDA)                                                  | 9                                               |                                                             | 1413121004          | EEC 1000 - Introduction to Early Childhood Development<br>EEC 2202 - Program Development in Early Childhood Education<br>EDG 2943 - Education Service Field Work                                              | Early Childhood Education               | Education and Training               | 60 credit hours                 |
| Miami Dade College | FLDOE004                    | Florida Teacher Certification Examinations (FTCE) - Professional Education Test    | 3                                               |                                                             | 1413121004          |                                                                                                                                                                                                               | Early Childhood Education               | Education and Training               | 60 credit hours                 |
| Miami Dade College | COMPT008                    | CompTIA Security+                                                                  | 3                                               |                                                             | 1552120107          |                                                                                                                                                                                                               | E-Business Technology                   | Information Technology               | 60 credit hours                 |
| Miami Dade College | ETAIN008                    | Associate Certified Electronics Technician (CETa)                                  | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                               | Electronics Engineering Technology      | Manufacturing                        | 68 credit hours                 |
| Miami Dade College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                         | 6                                               | 15                                                          | 1615030301          | EET 1082 - Introduction to Electronics   ETI1172 - Introduction to Quality Assurance   ETI 1701 - Industrial Safety   ETI2404 - Advanced Manufacturing Processes   ETI1151C - Measurement and Instrumentation | Electronics Engineering Technology      | Manufacturing                        | 68 credit hours                 |
| Miami Dade College | ADESK036                    | Autodesk Certified Expert in CAM for Multi-Axis Milling                            | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                               | Electronics Engineering Technology      | Manufacturing                        | 68 credit hours                 |
| Miami Dade College | ADESK037                    | Autodesk Certified Expert in Generative Design for Manufacturing                   | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                               | Electronics Engineering Technology      | Manufacturing                        | 68 credit hours                 |
| Miami Dade College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis           | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                               | Electronics Engineering Technology      | Manufacturing                        | 68 credit hours                 |
| Miami Dade College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations                    | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                               | Electronics Engineering Technology      | Manufacturing                        | 68 credit hours                 |
| Miami Dade College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations               | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                               | Electronics Engineering Technology      | Manufacturing                        | 68 credit hours                 |
| Miami Dade College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification                         | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                               | Electronics Engineering Technology      | Manufacturing                        | 68 credit hours                 |
| Miami Dade College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                             | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                               | Electronics Engineering Technology      | Manufacturing                        | 68 credit hours                 |
| Miami Dade College | ETAIN013                    | Photonics Technician Specialist (PTS)                                              | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                               | Electronics Engineering Technology      | Manufacturing                        | 68 credit hours                 |
| Miami Dade College | ETAIN012                    | Photonics Technician-Operator (PTO)                                                | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                               | Electronics Engineering Technology      | Manufacturing                        | 68 credit hours                 |
| Miami Dade College | ETAIN014                    | Photovoltaic Installer (PVI) - Level 1                                             | 3                                               |                                                             | 1615030301          |                                                                                                                                                                                                               | Electronics Engineering Technology      | Manufacturing                        | 68 credit hours                 |

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|--------------------|-----------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------|---------------------------------|
| Miami Dade College | ETAIN022                    | Specialist in Precision Optics (SPO)                                                                | 3                                               |                                                             | 1615030301          |                                                                                                                                                 | Electronics Engineering Technology        | Manufacturing                        | 68 credit hours                 |
| Miami Dade College | ETAIN023                    | Technician in Precision Optics (TPO)                                                                | 3                                               |                                                             | 1615030301          |                                                                                                                                                 | Electronics Engineering Technology        | Manufacturing                        | 68 credit hours                 |
| Miami Dade College | NREMT001                    | Emergency Medical Technician (EMT)                                                                  | 9                                               | 10                                                          | 1351090402          | EMS 1119 - Emergency Medical Technician<br>EMS 1119L - Emergency Medical Technician Tech Lab and Clinic<br>EMS 1431 - Hospital/Field Experience | Emergency Medical Services                | Health Science                       | 73 credit hours                 |
| Miami Dade College | NCCER215                    | NCCER Electronic Systems Technician - Level 4 (Postsecondary)                                       | 3                                               |                                                             | 1615170100          |                                                                                                                                                 | Energy Management and Controls Technology | Energy                               | 60 credit hours                 |
| Miami Dade College | ADESK011                    | Autodesk Certified User - Inventor                                                                  | 3                                               |                                                             | 1615000001          |                                                                                                                                                 | Engineering Technology                    | Manufacturing                        | 60 credit hours                 |
| Miami Dade College | ETAIN008                    | Associate Certified Electronics Technician (CETa)                                                   | 3                                               |                                                             | 1615000001          |                                                                                                                                                 | Engineering Technology                    | Manufacturing                        | 60 credit hours                 |
| Miami Dade College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                                          | 15                                              |                                                             | 1615000001          |                                                                                                                                                 | Engineering Technology                    | Manufacturing                        | 60 credit hours                 |
| Miami Dade College | NIFMS001                    | NIMS Machining - CNC Mill Programming Setup & Operations                                            | 1                                               |                                                             | 1615000001          |                                                                                                                                                 | Engineering Technology                    | Manufacturing                        | 60 credit hours                 |
| Miami Dade College | NIFMS002                    | NIMS Machining - CNC Lathe Programming Setup & Operations                                           | 1                                               |                                                             | 1615000001          |                                                                                                                                                 | Engineering Technology                    | Manufacturing                        | 60 credit hours                 |
| Miami Dade College | NIFMS012                    | NIMS Machining Level II - Grinding Skills II                                                        | 2                                               |                                                             | 1615000001          |                                                                                                                                                 | Engineering Technology                    | Manufacturing                        | 60 credit hours                 |
| Miami Dade College | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)                                          | 3                                               |                                                             | 1615000001          |                                                                                                                                                 | Engineering Technology                    | Manufacturing                        | 60 credit hours                 |
| Miami Dade College | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)                                       | 3                                               |                                                             | 1615000001          |                                                                                                                                                 | Engineering Technology                    | Manufacturing                        | 60 credit hours                 |
| Miami Dade College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification                                          | 3                                               |                                                             | 1615000001          |                                                                                                                                                 | Engineering Technology                    | Manufacturing                        | 60 credit hours                 |
| Miami Dade College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                                              | 3                                               |                                                             | 1615000001          |                                                                                                                                                 | Engineering Technology                    | Manufacturing                        | 60 credit hours                 |
| Miami Dade College | NCCER266                    | NCCER Industrial Maintenance Mechanic Level 4                                                       | 3                                               |                                                             | 1615000001          |                                                                                                                                                 | Engineering Technology                    | Manufacturing                        | 60 credit hours                 |
| Miami Dade College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations                                     | 3                                               |                                                             | 1615000001          |                                                                                                                                                 | Engineering Technology                    | Manufacturing                        | 60 credit hours                 |
| Miami Dade College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations                                | 3                                               |                                                             | 1615000001          |                                                                                                                                                 | Engineering Technology                    | Manufacturing                        | 60 credit hours                 |
| Miami Dade College | SMACA011                    | C-104 Certified Industry 4.0 Associate IV - IIoT Networking & Data Analytics                        | 3                                               |                                                             | 1615000001          |                                                                                                                                                 | Engineering Technology                    | Manufacturing                        | 60 credit hours                 |
| Miami Dade College | ADOBE023                    | Adobe Certified Professional in Video Design (Requires Premiere Pro and After Effects or Photoshop) | 3                                               |                                                             | 1650060213          |                                                                                                                                                 | Film Production Technology                | Arts, A/V Technology & Communication | 64 credit hours                 |
| Miami Dade College | FLSFM006                    | Fire Fighter II                                                                                     | 3                                               | Varies Based on Approved Trainings                          | 1743020112          |                                                                                                                                                 | Fire Science Technology                   | Law, Public Safety & Security        | 60 credit hours                 |
| Miami Dade College | FLSFM013                    | Fire Officer I                                                                                      | 12                                              |                                                             | 1743020112          |                                                                                                                                                 | Fire Science Technology                   | Law, Public Safety & Security        | 60 credit hours                 |
| Miami Dade College | FLSFM014                    | Fire Officer II                                                                                     | 15                                              |                                                             | 1743020112          |                                                                                                                                                 | Fire Science Technology                   | Law, Public Safety & Security        | 60 credit hours                 |
| Miami Dade College | FLSFM007                    | Fire Safety Inspector I                                                                             | 12                                              |                                                             | 1743020112          |                                                                                                                                                 | Fire Science Technology                   | Law, Public Safety & Security        | 60 credit hours                 |
| Miami Dade College | ADESK030                    | Autodesk Certified User - Maya                                                                      | 9                                               |                                                             | 1550041100          |                                                                                                                                                 | Game Development Design                   | Information Technology               | 60 credit hours                 |

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|--------------------|-----------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------------------------------------------|-------------------------------------|------------------------------------------|---------------------------------|
| Miami Dade College | UNITY001                    | Unity Certified Associate                                                                      | 6                                               |                                                             | 1550041100          |                                                           | Game Development Design             | Information Technology                   | 60 credit hours                 |
| Miami Dade College | UNITY002                    | Unity Certified User: Programmer                                                               | 6                                               |                                                             | 1550041100          |                                                           | Game Development Design             | Information Technology                   | 60 credit hours                 |
| Miami Dade College | UNITY005                    | Unity Certified Associate: Artist                                                              | 3                                               |                                                             | 1550041100          |                                                           | Game Development Design             | Information Technology                   | 60 credit hours                 |
| Miami Dade College | FNGLA001                    | Certified Horticulture Professional                                                            | 6                                               |                                                             | 1101060701          |                                                           | Golf Course Operations              | Agriculture, Food, and Natural Resources | 69 credit hours                 |
| Miami Dade College | ADOBE024                    | Adobe Certified Professional in Visual Design (Requires Photoshop and Illustrator or InDesign) | 3                                               |                                                             | 1611080300          |                                                           | Graphics Technology                 | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Miami Dade College | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                                   | 3                                               |                                                             | 1611080300          |                                                           | Graphics Technology                 | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Miami Dade College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher)             | 3                                               |                                                             | 1611080300          |                                                           | Graphics Technology                 | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Miami Dade College | AMAMA001                    | Certified Medical Assistant (CMA)                                                              | 3                                               |                                                             | 1351070700          |                                                           | Health Information Technology       | Health Science                           | 70 credit hours                 |
| Miami Dade College | PAHCO001                    | Certified Medical Manager (CMM)                                                                | 3                                               |                                                             | 1351070700          |                                                           | Health Information Technology       | Health Science                           | 70 credit hours                 |
| Miami Dade College | NATHA009                    | Certified Clinical Medical Assistant (CCMA)                                                    | 3                                               |                                                             | 1351070101          |                                                           | Health Services Management          | Health Science                           | 60 credit hours                 |
| Miami Dade College | AMAMA001                    | Certified Medical Assistant (CMA)                                                              | 3                                               |                                                             | 1351070101          |                                                           | Health Services Management          | Health Science                           | 60 credit hours                 |
| Miami Dade College | NCFCT008                    | National Certified Patient Care Technician (NCPCT)                                             | 3                                               |                                                             | 1351070101          |                                                           | Health Services Management          | Health Science                           | 60 credit hours                 |
| Miami Dade College | AMEDT004                    | Registered Medical Assistant (RMA)                                                             | 3                                               |                                                             | 1351070101          |                                                           | Health Services Management          | Health Science                           | 60 credit hours                 |
| Miami Dade College | PAHCO001                    | Certified Medical Manager (CMM)                                                                | 3                                               |                                                             | 1351070101          |                                                           | Health Services Management          | Health Science                           | 60 credit hours                 |
| Miami Dade College | ACFED006                    | Certified Fundamentals Cook                                                                    | 3                                               |                                                             | 1252090101          | HFT1212 - Safety & Sanitation                             | Hospitality & Tourism Management    | Hospitality & Tourism                    | 60 credit hours                 |
| Miami Dade College | CERTI008                    | Information Technology Specialist (ITS) - HTML5 Application Development                        | 3                                               |                                                             | 1511100400          |                                                           | Internet Services Technology        | Information Technology                   | 60 credit hours                 |
| Miami Dade College | ISOGR009                    | TOSA® Web Developer – Expert Level (Postsecondary)                                             | 3                                               |                                                             | 1511100400          |                                                           | Internet Services Technology        | Information Technology                   | 60 credit hours                 |
| Miami Dade College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                                       | 3                                               |                                                             | 1511100307          |                                                           | IT Security                         | Information Technology                   | 60 credit hours                 |
| Miami Dade College | COMPT008                    | CompTIA Security+                                                                              | 3                                               |                                                             | 1511100307          |                                                           | IT Security                         | Information Technology                   | 60 credit hours                 |
| Miami Dade College | GLIAC009                    | GIAC Certified Incident Handler (GCIH)                                                         | 3                                               |                                                             | 1511100307          |                                                           | IT Security                         | Information Technology                   | 60 credit hours                 |
| Miami Dade College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                                        | 3                                               |                                                             | 1511100307          |                                                           | IT Security                         | Information Technology                   | 60 credit hours                 |
| Miami Dade College | FNGLA001                    | Certified Horticulture Professional                                                            | 6                                               |                                                             | 1101060502          | ORH 1251 - Nursery Practices<br>HOS 1010 - Horticulture 1 | Landscape & Horticulture Technology | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Miami Dade College | FNGLA003                    | FNGLA Certified Landscape Maintenance Technician                                               | 3                                               |                                                             | 1101060502          |                                                           | Landscape & Horticulture Technology | Agriculture, Food, and Natural Resources | 60 credit hours                 |
| Miami Dade College | FNGLA004                    | FNGLA Certified Landscape Technician                                                           | 3                                               |                                                             | 1101060502          |                                                           | Landscape & Horticulture Technology | Agriculture, Food, and Natural Resources | 60 credit hours                 |

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| Miami Dade College | FMAIN001                    | Precision Sheetmetal Operator - Level I (PSMO)             | 3                                               |                                                             | 1615061307          |                                                                                       | Manufacturing Technology                    | Manufacturing                            | 64 credit hours                 |
| Miami Dade College | IHKBZ002                    | Electronics Technician for Industrial Engineering          | 3                                               |                                                             | 1615061307          |                                                                                       | Manufacturing Technology                    | Manufacturing                            | 64 credit hours                 |
| Miami Dade College | IHKBZ004                    | Mechatronics Fitter                                        | 3                                               |                                                             | 1615061307          |                                                                                       | Manufacturing Technology                    | Manufacturing                            | 64 credit hours                 |
| Miami Dade College | MSSCN001                    | MSSC Certified Production Technician (CPT)                 | 9                                               |                                                             | 1615061307          |                                                                                       | Manufacturing Technology                    | Manufacturing                            | 64 credit hours                 |
| Miami Dade College | NIFMS001                    | NIMS Machining - CNC Mill Programming Setup & Operations   | 3                                               |                                                             | 1615061307          |                                                                                       | Manufacturing Technology                    | Manufacturing                            | 64 credit hours                 |
| Miami Dade College | NIFMS002                    | NIMS Machining - CNC Lathe Programming Setup & Operations  | 3                                               |                                                             | 1615061307          |                                                                                       | Manufacturing Technology                    | Manufacturing                            | 64 credit hours                 |
| Miami Dade College | NIFMS007                    | NIMS Machining - Milling II                                | 3                                               |                                                             | 1615061307          |                                                                                       | Manufacturing Technology                    | Manufacturing                            | 64 credit hours                 |
| Miami Dade College | NIFMS008                    | NIMS Machining - Turning I (Between Centers)               | 3                                               |                                                             | 1615061307          |                                                                                       | Manufacturing Technology                    | Manufacturing                            | 64 credit hours                 |
| Miami Dade College | NIFMS010                    | NIMS Machining - Turning I (Chucking)                      | 3                                               |                                                             | 1615061307          |                                                                                       | Manufacturing Technology                    | Manufacturing                            | 64 credit hours                 |
| Miami Dade College | NIFMS012                    | NIMS Machining Level II - Grinding Skills II               | 3                                               |                                                             | 1615061307          |                                                                                       | Manufacturing Technology                    | Manufacturing                            | 64 credit hours                 |
| Miami Dade College | NIFMS013                    | NIMS Machining Level I - Drill Press I                     | 3                                               |                                                             | 1615061307          |                                                                                       | Manufacturing Technology                    | Manufacturing                            | 64 credit hours                 |
| Miami Dade College | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic) | 3                                               |                                                             | 1615061307          |                                                                                       | Manufacturing Technology                    | Manufacturing                            | 64 credit hours                 |
| Miami Dade College | NCCER061                    | NCCER Welding - Level 1 (Secondary)                        | 3                                               |                                                             | 0647060500          |                                                                                       | Marine Engineering, Management & Seamanship | Transportation, Distribution & Logistics | 66 credit hours                 |
| Miami Dade College | SALES001                    | Salesforce Certified Administrator                         | 3                                               |                                                             | 1252140101          |                                                                                       | Marketing Management                        | Marketing                                | 60 credit hours                 |
| Miami Dade College | AMSPT002                    | Certified Phlebotomy Technician                            | 1                                               |                                                             | 1351100405          |                                                                                       | Medical Laboratory Technology               | Health Science                           | 76 credit hours                 |
| Miami Dade College | NATHA007                    | Certified Phlebotomy Technician (CPT)                      | 1                                               |                                                             | 1351100405          |                                                                                       | Medical Laboratory Technology               | Health Science                           | 76 credit hours                 |
| Miami Dade College | AMEDT005                    | Registered Phlebotomy Technician (RPT)                     | 3                                               |                                                             | 1351100405          | MLT 1040L - Intro to Medical Laboratory Tech MLT 1201C - Clinical Urinalysis with Lab | Medical Laboratory Technology               | Health Science                           | 76 credit hours                 |
| Miami Dade College | AMEDT006                    | Medical Laboratory Assistant (CMLA)                        | 4                                               |                                                             | 1351100405          |                                                                                       | Medical Laboratory Technology               | Health Science                           | 76 credit hours                 |
| Miami Dade College | NATHA009                    | Certified Clinical Medical Assistant (CCMA)                | 3                                               |                                                             | 1551070500          |                                                                                       | Medical Office Administration               | Business Management and Administration   | 60 credit hours                 |
| Miami Dade College | NCFCT007                    | National Certified Medical Office Assistant (NCMOA)        | 6                                               |                                                             | 1551070500          |                                                                                       | Medical Office Administration               | Business Management and Administration   | 60 credit hours                 |
| Miami Dade College | ENTCP001                    | ETCP Certified Entertainment Electrician                   | 3                                               |                                                             | 1650091300          |                                                                                       | Music and Sound Production Technology       | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Miami Dade College | ENTCP003                    | ETCP Certified Rigger – Theatre                            | 3                                               |                                                             | 1650091300          |                                                                                       | Music and Sound Production Technology       | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Miami Dade College | APPLE019                    | Apple Certified Support Professional                       | 2                                               |                                                             | 1511100112          |                                                                                       | Network Systems Technology                  | Information Technology                   | 60 credit hours                 |
| Miami Dade College | APPLE002                    | Apple Certified Technical Coordinator                      | 2                                               |                                                             | 1511100112          |                                                                                       | Network Systems Technology                  | Information Technology                   | 60 credit hours                 |

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|--------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------|---------------------------------|
| Miami Dade College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                                                                                            | 6                                               |                                                             | 1511100112          |                                                                                                                                               | Network Systems Technology          | Information Technology                   | 60 credit hours                 |
| Miami Dade College | COMPT007                    | CompTIA Project+                                                                                                                                    | 3                                               |                                                             | 1511100112          |                                                                                                                                               | Network Systems Technology          | Information Technology                   | 60 credit hours                 |
| Miami Dade College | COMPT009                    | CompTIA Server+                                                                                                                                     | 3                                               | 4                                                           | 1511100112          | CTS 2334 - Configuring Advanced Windows                                                                                                       | Network Systems Technology          | Information Technology                   | 60 credit hours                 |
| Miami Dade College | COMPT018                    | CompTIA Tech+                                                                                                                                       | 3                                               |                                                             | 1511100112          |                                                                                                                                               | Network Systems Technology          | Information Technology                   | 60 credit hours                 |
| Miami Dade College | ICOEC006                    | EC-Council Ethical Hacker Associate                                                                                                                 | 3                                               |                                                             | 1511100112          |                                                                                                                                               | Network Systems Technology          | Information Technology                   | 60 credit hours                 |
| Miami Dade College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                                                                                           | 3                                               |                                                             | 1511100112          |                                                                                                                                               | Network Systems Technology          | Information Technology                   | 60 credit hours                 |
| Miami Dade College | LINPI001                    | Linux Essentials 010                                                                                                                                | 3                                               |                                                             | 1511100112          |                                                                                                                                               | Network Systems Technology          | Information Technology                   | 60 credit hours                 |
| Miami Dade College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                                                                                             | 3                                               |                                                             | 1511100112          |                                                                                                                                               | Network Systems Technology          | Information Technology                   | 60 credit hours                 |
| Miami Dade College | NCSBN002                    | National Licensed Practical Nurse (NCLEX-PN)                                                                                                        | 10                                              |                                                             | 1351380100          | NUR 9995 - Block Credit                                                                                                                       | Nursing R.N.                        | Health Science                           | 60 credit hours                 |
| Miami Dade College | “EXAMPLE: TAFLP002”         | Professional Legal Secretary (PLS)                                                                                                                  | 9                                               |                                                             | 1552020401          | “OST1384 - Intro to Customer Service<br>OST1581- Professional development in the work environment<br>OST2335- Applied Business Communication” | Office Administration               | Business Management and Administration   | 60 credit hours                 |
| Miami Dade College | MICRO017                    | Microsoft Office Specialist Master: Microsoft Office 2016 Master Specialist (Requires Word Expert, Excel Expert, PowerPoint, and Access or Outlook) | 3                                               |                                                             | 1552020401          |                                                                                                                                               | Office Administration               | Business Management and Administration   | 60 credit hours                 |
| Miami Dade College | TAFLP001                    | Accredited Legal Professional (ALP)                                                                                                                 | 3                                               |                                                             | 1552020401          |                                                                                                                                               | Office Administration               | Business Management and Administration   | 60 credit hours                 |
| Miami Dade College | TAFLP002                    | Professional Legal Secretary (PLS)                                                                                                                  | 9                                               |                                                             | 1552020401          |                                                                                                                                               | Office Administration               | Business Management and Administration   | 60 credit hours                 |
| Miami Dade College | TAFLP001                    | Accredited Legal Professional (ALP)                                                                                                                 | 3                                               |                                                             | 1722030200          |                                                                                                                                               | Paralegal Studies (Legal Assisting) | Law, Public Safety & Security            | 64 credit hours                 |
| Miami Dade College | NAOLA002                    | Certified Paralegal/Certified Legal Assistant (CP/CLA)                                                                                              | 3                                               |                                                             | 1722030200          |                                                                                                                                               | Paralegal Studies (Legal Assisting) | Law, Public Safety & Security            | 64 credit hours                 |
| Miami Dade College | NATHA010                    | Certified Pharmacy Technician (CPhT)                                                                                                                | 9                                               |                                                             | 1351080502          |                                                                                                                                               | Pharmacy Management                 | Health Science                           | 70 credit hours                 |
| Miami Dade College | PTCBD001                    | Certified Pharmacy Technician (CPhT)                                                                                                                | 9                                               |                                                             | 1351080502          |                                                                                                                                               | Pharmacy Management                 | Health Science                           | 70 credit hours                 |
| Miami Dade College | FEDAA021                    | E12FAA Instrument Airplane Rating                                                                                                                   | 3                                               | 6                                                           | 1649010200          | ATT 2120 - Instrument Pilot Theory      ATF 2200 - Instrument Pilot Flight                                                                    | Professional Pilot Technology       | Transportation, Distribution & Logistics | 64 credit hours                 |
| Miami Dade College | FEDAA005                    | FAA Certified Flight Instructor License                                                                                                             | 3                                               | 6                                                           | 1649010200          | ATT 2131 - CFI Theory      ATT 2501 - CFI Flight                                                                                              | Professional Pilot Technology       | Transportation, Distribution & Logistics | 64 credit hours                 |
| Miami Dade College | FEDAA006                    | FAA Commercial Pilot                                                                                                                                | 3                                               | 6                                                           | 1649010200          | ATT 2110 - Commercial Pilot Theory      ATF 2210 - Commercial Pilot Flight                                                                    | Professional Pilot Technology       | Transportation, Distribution & Logistics | 64 credit hours                 |
| Miami Dade College | FEDAA011                    | FAA Private Pilot                                                                                                                                   | 3                                               |                                                             | 1649010200          | ATF 1100: Private Pilot Flight                                                                                                                | Professional Pilot Technology       | Transportation, Distribution & Logistics | 64 credit hours                 |
| Miami Dade College | USINS001                    | Small UAS (sUAS) Safety Certification: Level 1                                                                                                      | 1                                               |                                                             | 1649010200          |                                                                                                                                               | Professional Pilot Technology       | Transportation, Distribution & Logistics | 64 credit hours                 |

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| Miami Dade College     | ADOBE023                    | Adobe Certified Professional in Video Design (Requires Premiere Pro and After Effects or Photoshop)                                                 | 4                                               |                                                             | 1610020202          |                                                                                                              | Radio and Television Broadcasting              | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Miami Dade College     | APPLE020                    | Apple Certified Pro (ACP) - Final Cut Pro X                                                                                                         | 8                                               |                                                             | 1610020202          |                                                                                                              | Radio and Television Broadcasting              | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Miami Dade College     | FDMQA001                    | Basic X-Ray Machine Operator                                                                                                                        | 3                                               |                                                             | 1351091100          |                                                                                                              | Radiography                                    | Health Science                           | 77 credit hours                 |
| Miami Dade College     | NRAEF003                    | Certified Food Protection Manager (ServSafe®)                                                                                                       | 3                                               |                                                             | 1252090501          |                                                                                                              | Restaurant Management                          | Hospitality & Tourism                    | 60 credit hours                 |
| Miami Dade College     | NRFSP001                    | Certified Food Safety Manager                                                                                                                       | 2                                               |                                                             | 1252090501          |                                                                                                              | Restaurant Management                          | Hospitality & Tourism                    | 60 credit hours                 |
| Miami Dade College     | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)                                                                                       | 3                                               |                                                             | 1615080101          |                                                                                                              | Simulation Technology                          | Manufacturing                            | 68 credit hours                 |
| Miami Dade College     | COMPT007                    | CompTIA Project+                                                                                                                                    | 3                                               |                                                             | 1652020901          |                                                                                                              | Supply Chain Management                        | Transportation, Distribution & Logistics | 60 credit hours                 |
| Miami Dade College     | COMPT007                    | CompTIA Project+                                                                                                                                    | 3                                               |                                                             | 1511100509          |                                                                                                              | Technology Project Management                  | Information Technology                   | 60 credit hours                 |
| Miami Dade College     | PRMIN004                    | PMI Project Management Ready                                                                                                                        | 3                                               |                                                             | 1511100509          |                                                                                                              | Technology Project Management                  | Information Technology                   | 60 credit hours                 |
| Miami Dade College     | CISCO005                    | Cisco Certified Network Professional (CCNP)                                                                                                         | 12                                              |                                                             | 1615030302          |                                                                                                              | Telecommunication Engineering Technology       | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Miami Dade College     | ENTCP001                    | ETCP Certified Entertainment Electrician                                                                                                            | 3                                               |                                                             | 1650050202          |                                                                                                              | Theater and Entertainment Technology           | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Miami Dade College     | ENTCP003                    | ETCP Certified Rigger – Theatre                                                                                                                     | 3                                               |                                                             | 1650050202          |                                                                                                              | Theater and Entertainment Technology           | Arts, A/V Technology & Communication     | 64 credit hours                 |
| Miami Dade College     | FEDAA013                    | FAA Ground School                                                                                                                                   | 3                                               |                                                             | 1615080102          |                                                                                                              | Unmanned Vehicle Systems Operations            | Transportation, Distribution & Logistics | 62 credit hours                 |
| Miami Dade College     | FLVMA002                    | Certified Veterinary Assistant (CVA)                                                                                                                | 3                                               |                                                             | 1301830100          |                                                                                                              | Veterinary Technology                          | Agriculture, Food, and Natural Resources | 73 credit hours                 |
| North Florida College  | INTUT001                    | Quickbooks Certified User                                                                                                                           | 3                                               | 3                                                           | 1552030201          | Accounting Using QuickBooks                                                                                  | Accounting Technology                          | Business Management and Administration   | 60 credit hours                 |
| North Florida College  | MICRO017                    | Microsoft Office Specialist Master: Microsoft Office 2016 Master Specialist (Requires Word Expert, Excel Expert, PowerPoint, and Access or Outlook) | 3                                               | 6                                                           | 1552020401          | CGS 1100 Computer Apps 1 and CGS 2515 Spreadsheet Apps for Business                                          | Office Administration                          | Business Management and Administration   | 60 credit hours                 |
| North Florida College  | NCSBN002                    | National Licensed Practical Nurse (NCLEX-PN)                                                                                                        | 10                                              | 10                                                          | 1351380100          | “NUR21020C Foundations of Nursing and NUR 2710L Foundations of Nursing, Medical Surgical Nursing I Clinical” | Nursing R.N.                                   | Health Science                           | 60 credit hours                 |
| St. Petersburg College | ACFED006                    | Certified Fundamentals Cook                                                                                                                         | 3                                               | 3                                                           | 1252090101          | FSS 2235C - Introductory Food Production Management                                                          | Hospitality & Tourism Management               | Hospitality & Tourism                    | 60 credit hours                 |
| St. Petersburg College | ADESK002                    | Autodesk Certified User - AutoCAD                                                                                                                   | 3                                               | 3                                                           | 1604090100          | ETD 1320C - Introduction to CAD                                                                              | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| St. Petersburg College | ADESK008                    | Autodesk Certified User - Revit                                                                                                                     | 3                                               | 3                                                           | 1604090100          | ETD 1390C - Introduction to Revit Architectural Revit                                                        | Architectural Design & Construction Technology | Architecture & Construction              | 66 credit hours                 |
| St. Petersburg College | ADESK011                    | Autodesk Certified User - Inventor                                                                                                                  | 3                                               | 3                                                           | 1615000001          | ETD 1350C - AutoCAD Inventor (3D modeling)                                                                   | Engineering Technology                         | Manufacturing                            | 60 credit hours                 |

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|------------------------|-----------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------|---------------------------------|
| St. Petersburg College | ADESK024                    | Autodesk Certified Professional - Inventor                                                 | 3                                               | 3                                                           | 1615000001          | ETD 1350C - AutoCAD Inventor (3D modeling)                                                                                                                                                                                              | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| St. Petersburg College | ADESK025                    | Autodesk Certified Professional - Revit Architecture                                       | 3                                               | 3                                                           | 1604090100          | ETD 2392C - Advanced Architectural Revit                                                                                                                                                                                                | Architectural Design & Construction Technology | Architecture & Construction     | 66 credit hours                 |
| St. Petersburg College | ADESK032                    | Autodesk Certified User - Fusion 360                                                       | 3                                               | 3                                                           | 1615000001          | ETD 1350C - AutoCAD Inventor (3D modeling)                                                                                                                                                                                              | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| St. Petersburg College | ADESK033                    | Autodesk Certified Associate in CAD for Mechanical Design                                  | 3                                               | 3                                                           | 1615000001          | ETD 1320C - Introduction to CAD                                                                                                                                                                                                         | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| St. Petersburg College | ADESK035                    | Autodesk Certified Associate in CAM for Turning                                            | 3                                               | 3                                                           | 1615000001          | TBD - New articulation agreement in review process                                                                                                                                                                                      | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| St. Petersburg College | ADESK038                    | Autodesk Certified Professional in CAM for 3 Axis Milling                                  | 3                                               | 3                                                           | 1615000001          | TBD - New articulation agreement in review process                                                                                                                                                                                      | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| St. Petersburg College | ADESK039                    | Autodesk Certified Professional in Design for Manufacturing                                | 3                                               | 3                                                           | 1615000001          | TBD - New articulation agreement in review process                                                                                                                                                                                      | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| St. Petersburg College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                   | 3                                               | 3                                                           | 1604090100          | TBD - New articulation agreement in review process                                                                                                                                                                                      | Architectural Design & Construction Technology | Architecture & Construction     | 66 credit hours                 |
| St. Petersburg College | ADESK040                    | Autodesk Certified Professional in Simulation for Static Stress Analysis                   | 3                                               | 3                                                           | 1615000001          | TBD - New articulation agreement in review process                                                                                                                                                                                      | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| St. Petersburg College | ADOBE025                    | Adobe Certified Professional in Web Design (Requires Dreamweaver and Animate or Photoshop) | 3                                               | 3                                                           | 1511100400          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                                                 | Internet Services Technology                   | Information Technology          | 60 credit hours                 |
| St. Petersburg College | AMAMA001                    | Certified Medical Assistant (CMA)                                                          | 3                                               | 7                                                           | 1351070700          | "HIM 1140 - Pharmacology and Pathophysiology for HIM Professionals (3 credits)<br>HIM 2012 - Health Law Concepts and Practices (2 credits)<br>HSC 1531 - Medical Terminology I (2 credits)"                                             | Health Information Technology                  | Health Science                  | 70 credit hours                 |
| St. Petersburg College | AMAMA001                    | Certified Medical Assistant (CMA)                                                          | 3                                               | 8                                                           | 1351070101          | "HIM 2012 - Health Law Concepts and Practices (2 credits)<br>HSC 1531 - Medical Terminology I (2 credits)<br>HSA 1100 - Healthcare Delivery Systems (3 credits)<br>HSC 1149 - General Pharmacology for Health Professionals (1 credit)" | Health Services Management                     | Health Science                  | 60 credit hours                 |
| St. Petersburg College | AMDDA002                    | Certified Apprentice Drafter - Architectural                                               | 3                                               | 3                                                           | 1604090100          | ETD 1390C - Introduction to Revit Architectural Revit                                                                                                                                                                                   | Architectural Design & Construction Technology | Architecture & Construction     | 66 credit hours                 |
| St. Petersburg College | AMEDT004                    | Registered Medical Assistant (RMA)                                                         | 3                                               | 4                                                           | 1351070101          | "HSA 1100 - Healthcare Delivery Systems (3 credits)<br>HSC 1149 - General Pharmacology for Health Professionals (1 credit)"                                                                                                             | Health Services Management                     | Health Science                  | 60 credit hours                 |
| St. Petersburg College | APPLE002                    | Apple Certified Technical Coordinator                                                      | 2                                               | 3                                                           | 1511100112          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                                                 | Network Systems Technology                     | Information Technology          | 60 credit hours                 |
| St. Petersburg College | APPLE019                    | Apple Certified Support Professional                                                       | 2                                               | 3                                                           | 1511100112          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                                                 | Network Systems Technology                     | Information Technology          | 60 credit hours                 |
| St. Petersburg College | APPLE021                    | Apple App Development with Swift Certified User                                            | 3                                               | 3                                                           | 1511020101          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                                                 | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| St. Petersburg College | APPLE022                    | Apple App Development with Swift Associate                                                 | 3                                               | 3                                                           | 1511020101          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                                                 | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CARCH002                    | Chief Architect Certified Apprentice                                                       | 3                                               | 3                                                           | 1604090100          | ETD 2392C - Advanced Architectural Revit                                                                                                                                                                                                | Architectural Design & Construction Technology | Architecture & Construction     | 66 credit hours                 |
| St. Petersburg College | CERHB001                    | Biotechnician Assistant                                                                    | 3                                               | 3                                                           | 1341010100          | BSC 2420 - Introduction to Biotechnology                                                                                                                                                                                                | Biotechnology Laboratory Technology            | Health Science                  | 61 credit hours                 |

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|------------------------|-----------------------------|-------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------|---------------------------------|
| St. Petersburg College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               | 3                                                           | 1511010307          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                           | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CERTI003                    | Information Technology Specialist (ITS) - Databases                           | 3                                               | 3                                                           | 1511020101          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                           | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CERTI008                    | Information Technology Specialist (ITS) - HTML5 Application Development       | 3                                               | 3                                                           | 1511100400          | CGS 1831 - Web Foundations/Essentials                                                                                                                                                             | Internet Services Technology      | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CERTI009                    | Information Technology Specialist (ITS) - Device Configuration and Management | 3                                               | 3                                                           | 1511010307          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                           | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                          | 3                                               | 3                                                           | 1511010307          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                           | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CERTI010                    | Information Technology Specialist (ITS) - JavaScript                          | 3                                               | 3                                                           | 1511020101          | COP 2801 - JavaScript                                                                                                                                                                             | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CERTI012                    | Information Technology Specialist (ITS) - Python                              | 3                                               | 3                                                           | 1511020101          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                           | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CERTI013                    | Information Technology Specialist (ITS) – Java                                | 3                                               | 3                                                           | 1511020101          | COP 2250 - Java Programming I                                                                                                                                                                     | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                     | 3                                               | 3                                                           | 1511010307          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                           | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CERTI014                    | Information Technology Specialist (ITS) - Cloud Computing                     | 3                                               | 3                                                           | 1511100112          | CTS 1328 - Windows Server Hybrid Administration                                                                                                                                                   | Network Systems Technology        | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                      | 3                                               | 3                                                           | 1511010307          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                           | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                      | 3                                               | 6                                                           | 1511100307          | “CET 1600 - Introduction to Networks (3 credits)<br>CET 1610 - Switching, Routing, and Wireless Essentials (3 credits)”                                                                           | IT Security                       | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CISCO026                    | Cisco Certified Network Associate (CCNA)                                      | 6                                               | 9                                                           | 1511100112          | “CET 1600 - Introduction to Networks (3 credits)<br>CET 1610 - Switching, Routing, and Wireless Essentials (3 credits)<br>CET 2615 - Enterprise Networking, Security, and Automation (3 credits)” | Network Systems Technology        | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                       | 3                                               | 3                                                           | 1511100112          | TBD - New articulation agreement in review process                                                                                                                                                | Network Systems Technology        | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CISCO028                    | Cisco Certified Support Technician (CCST) Cybersecurity                       | 3                                               | 3                                                           | 1511100307          | TBD - New articulation agreement in review process                                                                                                                                                | IT Security                       | Information Technology          | 60 credit hours                 |
| St. Petersburg College | CISCO029                    | Cisco Certified Support Technician (CCST) Networking                          | 3                                               | 3                                                           | 1511010307          | TBD - New articulation agreement in review process                                                                                                                                                | Computer Information Technology   | Information Technology          | 60 credit hours                 |
| St. Petersburg College | COMPT005                    | CompTIA Linux+                                                                | 3                                               | 3                                                           | 1511020101          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                           | Computer Programming and Analysis | Information Technology          | 60 credit hours                 |
| St. Petersburg College | COMPT007                    | CompTIA Project+                                                              | 3                                               | 3                                                           | 1511100112          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                           | Network Systems Technology        | Information Technology          | 60 credit hours                 |
| St. Petersburg College | COMPT008                    | CompTIA Security+                                                             | 3                                               | 6                                                           | 1511100307          | “CTS 1120 - Network Security Foundations (3 credits)<br>CIS 1358 - Operating System Security (3 credits)”                                                                                         | IT Security                       | Information Technology          | 60 credit hours                 |
| St. Petersburg College | COMPT009                    | CompTIA Server+                                                               | 3                                               | 3                                                           | 1511010307          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                           | Computer Information Technology   | Information Technology          | 60 credit hours                 |

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|------------------------|-----------------------------------|---------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------|------------------------------------|
| St. Petersburg College | COMPT009                          | CompTIA Server+                                   | 3                                                           | 3                                                                       | 1511100112             | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                        | Network Systems Technology            | Information Technology                   | 60 credit hours                    |
| St. Petersburg College | COMPT018                          | CompTIA Tech+                                     | 3                                                           | 3                                                                       | 1511010307             | TBD - New articulation agreement in review process                                                                                                                                                             | Computer Information Technology       | Information Technology                   | 60 credit hours                    |
| St. Petersburg College | COMPT018                          | CompTIA Tech+                                     | 3                                                           | 3                                                                       | 1511020101             | TBD - New articulation agreement in review process                                                                                                                                                             | Computer Programming and Analysis     | Information Technology                   | 60 credit hours                    |
| St. Petersburg College | COMPT018                          | CompTIA Tech+                                     | 3                                                           | 3                                                                       | 1530700100             | TBD - New articulation agreement in review process                                                                                                                                                             | Data Science Technology               | Information Technology                   | 60 credit hours                    |
| St. Petersburg College | COMPT018                          | CompTIA Tech+                                     | 3                                                           | 3                                                                       | 1511100112             | TBD - New articulation agreement in review process                                                                                                                                                             | Network Systems Technology            | Information Technology                   | 60 credit hours                    |
| St. Petersburg College | DANBD002                          | Certified Orthodontic Assistant                   | 3                                                           | 3                                                                       | 1351060200             | TBD - New articulation agreement in review process                                                                                                                                                             | Dental Hygiene                        | Health Science                           | 88 credit hours                    |
| St. Petersburg College | ENTCP001                          | ETCP Certified Entertainment Electrician          | 3                                                           | 3                                                                       | 1650091300             | TBD - New articulation agreement in review process                                                                                                                                                             | Music and Sound Production Technology | Arts, A/V Technology & Communication     | 64 credit hours                    |
| St. Petersburg College | ENTCP003                          | ETCP Certified Rigger – Theatre                   | 3                                                           | 3                                                                       | 1650091300             | TBD - New articulation agreement in review process                                                                                                                                                             | Music and Sound Production Technology | Arts, A/V Technology & Communication     | 64 credit hours                    |
| St. Petersburg College | ETAIN008                          | Associate Certified Electronics Technician (CETa) | 3                                                           | 3                                                                       | 1615000001             | EET 1084C - Introduction to Electronics                                                                                                                                                                        | Engineering Technology                | Manufacturing                            | 60 credit hours                    |
| St. Petersburg College | FDMQA001                          | Basic X-Ray Machine Operator                      | 3                                                           | 3                                                                       | 1351091100             | TBD - New articulation agreement in review process                                                                                                                                                             | Radiography                           | Health Science                           | 77 credit hours                    |
| St. Petersburg College | FDMQA030                          | 911 Public Safety Telecommunicator                | 3                                                           | 3                                                                       | 1743010302             | DSC 1004 - Introduction to the NRF and NIMS                                                                                                                                                                    | Criminal Justice Technology           | Law, Public Safety & Security            | 60 credit hours                    |
| St. Petersburg College | FLDLE002                          | Correctional Officer                              | 6                                                           | 6                                                                       | 1743010302             | “CCJ 1020 - Introduction to Criminal Justice (3 credits)<br>CJL 2062 - Constitutional Law & Rules of Evidence (3 credits)”                                                                                     | Criminal Justice Technology           | Law, Public Safety & Security            | 60 credit hours                    |
| St. Petersburg College | FLDLE003                          | Correctional Probation Officer                    | 6                                                           | 6                                                                       | 1743010302             | TBD - New articulation agreement in review process                                                                                                                                                             | Criminal Justice Technology           | Law, Public Safety & Security            | 60 credit hours                    |
| St. Petersburg College | FLDLE004                          | Law Enforcement Officer                           | 12                                                          | 15                                                                      | 1743010302             | “CJE 2605 - Investigative Trends (3 credits)<br>CCJ 1020 - Introduction to Criminal Justice (3 credits)<br>CJE 2940 - Internship (6 credits)<br>CJL 2062 - Constitutional Law & Rules of Evidence (3 credits)” | Criminal Justice Technology           | Law, Public Safety & Security            | 60 credit hours                    |
| St. Petersburg College | FLSFM006                          | Fire Fighter II                                   | 3                                                           | 3                                                                       | 1743020112             | TBD - New articulation agreement in review process                                                                                                                                                             | Fire Science Technology               | Law, Public Safety & Security            | 60 credit hours                    |
| St. Petersburg College | FLSFM007                          | Fire Safety Inspector I                           | 12                                                          | 12                                                                      | 1743020112             | TBD - New articulation agreement in review process                                                                                                                                                             | Fire Science Technology               | Law, Public Safety & Security            | 60 credit hours                    |
| St. Petersburg College | FLSFM013                          | Fire Officer I                                    | 12                                                          | 12                                                                      | 1743020112             | TBD - New articulation agreement in review process                                                                                                                                                             | Fire Science Technology               | Law, Public Safety & Security            | 60 credit hours                    |
| St. Petersburg College | FLSFM014                          | Fire Officer II                                   | 15                                                          | 15                                                                      | 1743020112             | TBD - New articulation agreement in review process                                                                                                                                                             | Fire Science Technology               | Law, Public Safety & Security            | 60 credit hours                    |
| St. Petersburg College | FLVMA002                          | Certified Veterinary Assistant (CVA)              | 3                                                           | 3                                                                       | 1301830100             | “ATE 1741 - Veterinary Med Terminology (1 credit)<br>ATE 1943 - Veterinary Work Practicum I (1 credit)<br>ATE 1944 - Veterinary Work Practicum II (1 credit)”                                                  | Veterinary Technology                 | Agriculture, Food, and Natural Resources | 73 credit hours                    |
| St. Petersburg College | GLIAC009                          | GIAC Certified Incident Handler (GCIH)            | 3                                                           | 3                                                                       | 1511100307             | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                        | IT Security                           | Information Technology                   | 60 credit hours                    |
| St. Petersburg College | ICOEC006                          | EC-Council Ethical Hacker Associate               | 3                                                           | 3                                                                       | 1511100307             | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                        | IT Security                           | Information Technology                   | 60 credit hours                    |
| St. Petersburg College | ICOEC006                          | EC-Council Ethical Hacker Associate               | 3                                                           | 3                                                                       | 1511100112             | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                        | Network Systems Technology            | Information Technology                   | 60 credit hours                    |
| St. Petersburg College | INTUT001                          | Quickbooks Certified User                         | 3                                                           | 3                                                                       | 1552020102             | ACG 2450 - Accounting Software Applications                                                                                                                                                                    | Business Administration               | Business Management and Administration   | 60 credit hours                    |

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|------------------------|-----------------------------|------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------|---------------------------------|
| St. Petersburg College | INTUT002                    | Entrepreneurship & Small Business                                                  | 3                                               | 3                                                           | 1552020102          | ENT 1000 - Intro to Entrepreneurship                                                                                                                                                                                                                                               | Business Administration                        | Business Management and Administration | 60 credit hours                 |
| St. Petersburg College | INTUT003                    | Master Entrepreneurship Certification                                              | 3                                               | 3                                                           | 1552020102          | ENT 1000 - Intro to Entrepreneurship                                                                                                                                                                                                                                               | Business Administration                        | Business Management and Administration | 60 credit hours                 |
| St. Petersburg College | IPCEI002                    | Certified IPC Specialist (CIS) IPC J-STD-001 Certification                         | 3                                               | 3                                                           | 1615000001          | TBD - New articulation agreement in review process                                                                                                                                                                                                                                 | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| St. Petersburg College | IPCEI003                    | Certified IPC Specialist (CIS) IPC-A-610 Certification                             | 3                                               | 3                                                           | 1615000001          | TBD - New articulation agreement in review process                                                                                                                                                                                                                                 | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| St. Petersburg College | ISOGR007                    | TOSA® Autodesk AutoCAD Certified User - Expert (Postsecondary)                     | 3                                               | 3                                                           | 1604090100          | TBD - New articulation agreement in review process                                                                                                                                                                                                                                 | Architectural Design & Construction Technology | Architecture & Construction            | 66 credit hours                 |
| St. Petersburg College | ISOGR008                    | TOSA® Graphics Certified User – Expert Level (Postsecondary)                       | 3                                               | 3                                                           | 1611080103          | TBD - New articulation agreement in review process                                                                                                                                                                                                                                 | Digital Media/ Multimedia Technology           | Arts, A/V Technology & Communication   | 60 credit hours                 |
| St. Petersburg College | ISOGR009                    | TOSA® Web Developer – Expert Level (Postsecondary)                                 | 3                                               | 3                                                           | 1511100400          | TBD - New articulation agreement in review process                                                                                                                                                                                                                                 | Internet Services Technology                   | Information Technology                 | 60 credit hours                 |
| St. Petersburg College | ISOGR010                    | TOSA® JavaScript Certified User – Expert Level (Postsecondary)                     | 3                                               | 3                                                           | 1511020101          | TBD - New articulation agreement in review process                                                                                                                                                                                                                                 | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| St. Petersburg College | ISOGR011                    | TOSA® Python Certified User – Expert Level (Postsecondary)                         | 3                                               | 3                                                           | 1511020101          | TBD - New articulation agreement in review process                                                                                                                                                                                                                                 | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| St. Petersburg College | ISOGR012                    | TOSA® Graphics Certified User for Adobe - Visual Design (Advanced Level or Higher) | 3                                               | 3                                                           | 1611080103          | TBD - New articulation agreement in review process                                                                                                                                                                                                                                 | Digital Media/ Multimedia Technology           | Arts, A/V Technology & Communication   | 60 credit hours                 |
| St. Petersburg College | KNOWL001                    | Python Coding Specialist                                                           | 3                                               | 3                                                           | 1511020101          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                                                                                            | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| St. Petersburg College | KNOWL005                    | C# Coding Specialist                                                               | 3                                               | 3                                                           | 1511020101          | TBD - Articulation agreement in review process                                                                                                                                                                                                                                     | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| St. Petersburg College | KNOWL006                    | C# Coding Apprentice                                                               | 3                                               | 3                                                           | 1511020101          | TBD - Articulation agreement in review process                                                                                                                                                                                                                                     | Computer Programming and Analysis              | Information Technology                 | 60 credit hours                 |
| St. Petersburg College | KNOWL007                    | .NET Coding Specialist                                                             | 3                                               | 3                                                           | 1511010307          | TBD - New articulation agreement in review process                                                                                                                                                                                                                                 | Computer Information Technology                | Information Technology                 | 60 credit hours                 |
| St. Petersburg College | LINPI001                    | Linux Essentials 010                                                               | 3                                               | 3                                                           | 1511010307          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                                                                                            | Computer Information Technology                | Information Technology                 | 60 credit hours                 |
| St. Petersburg College | LINPI001                    | Linux Essentials 010                                                               | 3                                               | 3                                                           | 1530700100          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                                                                                            | Data Science Technology                        | Information Technology                 | 60 credit hours                 |
| St. Petersburg College | LINPI001                    | Linux Essentials 010                                                               | 3                                               | 3                                                           | 1511100112          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                                                                                            | Network Systems Technology                     | Information Technology                 | 60 credit hours                 |
| St. Petersburg College | MSSCN001                    | MSSC Certified Production Technician (CPT)                                         | 15                                              | 15                                                          | 1615000001          | “EET 1084C - Introduction to Electronics (3 credits)<br>ETI 1110 - Introduction to Quality Assurance (3 credits)<br>ETI 1420 - Manufacturing Processes and Materials I (3 credits)<br>ETI 1701 - Industrial Safety (3 credits)<br>ETM 1010C - Mechanical Measurement (3 students)” | Engineering Technology                         | Manufacturing                          | 60 credit hours                 |
| St. Petersburg College | NAOLA002                    | Certified Paralegal/Certified Legal Assistant (CP/CLA)                             | 3                                               | 3                                                           | 1722030200          | TBD - Articulation agreement in review process                                                                                                                                                                                                                                     | Paralegal Studies (Legal Assisting)            | Law, Public Safety & Security          | 64 credit hours                 |

| INSTITUTION            | INDUSTRY CERTIFICATION CODE | INDUSTRY CERTIFICATION TITLE                                  | NUMBER OF CREDITS ARTICULATED PER GOLD STANDARD | NUMBER OF CREDITS ARTICULATED BY INSTITUTION/ CAREER CENTER | 10-DIGIT CIP NUMBER | COLLEGE CREDIT COURSE                                                                                                                                                                                                                                                     | ASSOCIATE DEGREE PROGRAM                       | ASSOCIATE DEGREE CAREER CLUSTER | ASSOCIATE DEGREE PROGRAM LENGTH |
|------------------------|-----------------------------|---------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------|---------------------------------|
| St. Petersburg College | NATHA009                    | Certified Clinical Medical Assistant (CCMA)                   | 3                                               | 6                                                           | 1351070101          | "HSC 1531 - Medical Terminology (2 credits)<br>HSA 1100 - Healthcare Delivery Systems (3 credits)<br>HSC 1149 - General Pharmacology for Health Professionals (1 credit)"                                                                                                 | Health Services Management                     | Health Science                  | 60 credit hours                 |
| St. Petersburg College | NCCER008                    | NCCER Construction Technology (Secondary)                     | 3                                               | 4                                                           | 1604090100          | "BCN 2054C - Construction Surveying Methods (2 credits)<br>BCN 2732 - OSHA Standards for the Construction Industry (2 credits)"                                                                                                                                           | Architectural Design & Construction Technology | Architecture & Construction     | 66 credit hours                 |
| St. Petersburg College | NCCER266                    | NCCER Industrial Maintenance Mechanic Level 4                 | 3                                               | 3                                                           | 1615000001          | TBD - New articulation agreement in review process                                                                                                                                                                                                                        | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| St. Petersburg College | NCDLT001                    | Certified Dental Technician                                   | 3                                               | 3                                                           | 1351060200          | TBD - New articulation agreement in review process                                                                                                                                                                                                                        | Dental Hygiene                                 | Health Science                  | 88 credit hours                 |
| St. Petersburg College | NCSBN002                    | National Licensed Practical Nurse (NCLEX-PN)                  | 10                                              | 10                                                          | 1351380100          | "NUR 1110C - Health Concepts I (6 credits)<br>NUR 1111 - Professional Nursing I (2 credits)<br>NUR 1141 - Pharmacology I (2 credits)"                                                                                                                                     | Nursing R.N.                                   | Health Science                  | 60 credit hours                 |
| St. Petersburg College | NIFMS001                    | NIMS Machining - CNC Mill Programming Setup & Operations      | 1                                               | 3                                                           | 1615000001          | ETD 2371C - Rapid Prototyping Model Design and Fabrication                                                                                                                                                                                                                | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| St. Petersburg College | NIFMS002                    | NIMS Machining - CNC Lathe Programming Setup & Operations     | 1                                               | 3                                                           | 1615000001          | ETD 2371C - Rapid Prototyping Model Design and Fabrication                                                                                                                                                                                                                | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| St. Petersburg College | NIFMS012                    | NIMS Machining Level II - Grinding Skills II                  | 2                                               | 3                                                           | 1615000001          | ETD 2372C - Rapid Prototyping II-Manufacturing Methods                                                                                                                                                                                                                    | Engineering Technology                         | Manufacturing                   | 60 credit hours                 |
| St. Petersburg College | NREMT001                    | Emergency Medical Technician (EMT)                            | 9                                               | 12                                                          | 1351090402          | "EMS 1119 - Fundamentals of Emergency Medical Care (6 credits)<br>EMS 1119L - Fundamentals of Emergency Medical Care Lab (2 credits)<br>EMS 1411 - Fundamentals of Emergency Medical Care Clinical Experience (2 credits)<br>EMS 1421 - EMT Field Internship (2 credits)" | Emergency Medical Services                     | Health Science                  | 73 credit hours                 |
| St. Petersburg College | OEDGP001                    | PCAP – Certified Associate in Python Programming              | 3                                               | 3                                                           | 1511020101          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                                                                                   | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| St. Petersburg College | ORACL004                    | Oracle Foundations Associate, Java                            | 3                                               | 3                                                           | 1511010307          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                                                                                   | Computer Information Technology                | Information Technology          | 60 credit hours                 |
| St. Petersburg College | ORACL004                    | Oracle Foundations Associate, Java                            | 3                                               | 3                                                           | 1511020101          | COP 2250 - Java Programming I                                                                                                                                                                                                                                             | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| St. Petersburg College | PAHCO001                    | Certified Medical Manager (CMM)                               | 3                                               | 3                                                           | 1351070700          | TBD - New articulation agreement in review process                                                                                                                                                                                                                        | Health Information Technology                  | Health Science                  | 70 credit hours                 |
| St. Petersburg College | PAHCO001                    | Certified Medical Manager (CMM)                               | 3                                               | 3                                                           | 1351070101          | TBD - New articulation agreement in review process                                                                                                                                                                                                                        | Health Services Management                     | Health Science                  | 60 credit hours                 |
| St. Petersburg College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist       | 3                                               | 3                                                           | 1511010307          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                                                                                   | Computer Information Technology                | Information Technology          | 60 credit hours                 |
| St. Petersburg College | PROSO006                    | Certified Internet Web (CIW) Database Design Specialist       | 3                                               | 3                                                           | 1511020101          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                                                                                   | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| St. Petersburg College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist            | 3                                               | 3                                                           | 1511010307          | CGS 1309 - Computer and Information Technology Concepts                                                                                                                                                                                                                   | Computer Information Technology                | Information Technology          | 60 credit hours                 |
| St. Petersburg College | PROSO017                    | Certified Internet Web (CIW) JavaScript Specialist            | 3                                               | 3                                                           | 1511020101          | COP 2801 - JavaScript                                                                                                                                                                                                                                                     | Computer Programming and Analysis              | Information Technology          | 60 credit hours                 |
| St. Petersburg College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist | 3                                               | 3                                                           | 1511010307          | CGS 1831 - Web Foundations/Essentials                                                                                                                                                                                                                                     | Computer Information Technology                | Information Technology          | 60 credit hours                 |

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|------------------------|-----------------------------|------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------|---------------------------------|
| St. Petersburg College | PROSO027                    | Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist                | 3                                               | 3                                                           | 1511020101          | CGS 1831 - Web Foundations/Essentials                                                                 | Computer Programming and Analysis       | Information Technology                 | 60 credit hours                 |
| St. Petersburg College | PROSO032                    | Certified Internet Web (CIW) User Interface Designer                         | 3                                               | 3                                                           | 1511020101          | CGS 1831 - Web Foundations/Essentials                                                                 | Computer Programming and Analysis       | Information Technology                 | 60 credit hours                 |
| St. Petersburg College | PROSO033                    | Certified Internet Web (CIW) Multimedia Specialist                           | 3                                               | 6                                                           | 1611080103          | "DIG 1004 - Exploration of Media Tools (3 credits)<br>DIG 2030 - Survey of Digital Video (3 credits)" | Digital Media/<br>Multimedia Technology | Arts, A/V Technology & Communication   | 60 credit hours                 |
| St. Petersburg College | PROSO034                    | Certified Internet Web (CIW) Artificial Intelligence Associate               | 3                                               | 3                                                           | 1530700100          | TBD - New articulation agreement in review process                                                    | Data Science Technology                 | Information Technology                 | 60 credit hours                 |
| St. Petersburg College | PROSO035                    | Certified Internet Web (CIW) Artificial Intelligence Data Science Specialist | 3                                               | 3                                                           | 1530700100          | TBD - New articulation agreement in review process                                                    | Data Science Technology                 | Information Technology                 | 60 credit hours                 |
| St. Petersburg College | SCHRM001                    | SHRM-CP                                                                      | 3                                               | 3                                                           | 1552020102          | TBD - New articulation agreement in review process                                                    | Business Administration                 | Business Management and Administration | 60 credit hours                 |
| St. Petersburg College | SMACA009                    | C-102 Certified Industry 4.0 Associate II – Advanced Operations              | 3                                               | 3                                                           | 1615000001          | TBD - New articulation agreement in review process                                                    | Engineering Technology                  | Manufacturing                          | 60 credit hours                 |
| St. Petersburg College | SMACA010                    | C-103 Certified Industry 4.0 Associate III Robotic System Operations         | 3                                               | 3                                                           | 1615000001          | TBD - New articulation agreement in review process                                                    | Engineering Technology                  | Manufacturing                          | 60 credit hours                 |
| St. Petersburg College | SMACA011                    | C-104 Certified Industry 4.0 Associate IV - IIoT Networking & Data Analytics | 3                                               | 3                                                           | 1615000001          | TBD - New articulation agreement in review process                                                    | Engineering Technology                  | Manufacturing                          | 60 credit hours                 |
| St. Petersburg College | SOLID003                    | Certified Solidworks Associate - Academic (CSWA- Academic)                   | 3                                               | 3                                                           | 1615000001          | ETD 2364C - Introduction to SolidWorks                                                                | Engineering Technology                  | Manufacturing                          | 60 credit hours                 |
| St. Petersburg College | SOLID004                    | Certified Solidworks Professional - Academic (CSWP- Academic)                | 3                                               | 3                                                           | 1615000001          | ETD 2364C - Introduction to SolidWorks                                                                | Engineering Technology                  | Manufacturing                          | 60 credit hours                 |
| St. Petersburg College | TAFLP001                    | Accredited Legal Professional (ALP)                                          | 3                                               | 3                                                           | 1722030200          | TBD - Articulation agreement in review process                                                        | Paralegal Studies (Legal Assisting)     | Law, Public Safety & Security          | 64 credit hours                 |