




Andy Tuck, *Chair*  
Marva Johnson, *Vice Chair*  
*Members*  
Ben Gibson  
Tom Grady  
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**MEMORANDUM**

**TO:** District Technical Center Directors  
District Career and Technical Education Directors  
Florida College System Workforce Administrators

**FROM:** Henry Mack, Chancellor of Career and Adult Education 

**DATE:** July 31, 2020

**SUBJECT: College Cost Savings through Industry Certification - Parent Notification**

Section 1003.02 (1) (j), Florida Statutes, requires that district school boards:

*Notify the parent of a student who earns an industry certification that articulates for postsecondary credit of the estimated cost savings to the parent before the student's high school graduation versus the cost of acquiring such certification after high school graduation, which would include the tuition and fees associated with available postsecondary credits. Also, the student and the parent must be informed of any additional industry certifications available to the student.*

To assist school boards with this requirement, the attached spreadsheet provides a listing of certifications eligible for articulation, along with the name of the program to which the student can articulate. The spreadsheet also shows the number of college credits students can receive for each certification, as well as a calculation of the college savings associated with that particular certification.

If you have any questions about the data or articulation agreements, please contact Kathleen Taylor at [Kathleen.Taylor@fldoe.org](mailto:Kathleen.Taylor@fldoe.org) or 850-245-9062.

HM/kt/cw

Attachment

cc: Kathy Hebda, chancellor, Florida College System  
Jacob Oliva, chancellor, Division of Public Schools

HENRY MACK  
CHANCELLOR OF CAREER AND ADULT EDUCATION

2020-21 Average Tuition and Fees per Credit Hour\*

\$106.97

Certification Code	Certification Title	Number of Credits	CIP Number	Program of Articulation	College Savings
ABAYC003	Marine Electrical Certification	3	0647060500	Marine Engineering, Management & Seamanship	320.91
ACFED002	Certified Culinarian (CC)	3	1612050401	Culinary Management	320.91
ACFED002	Certified Culinarian (CC)	6	1252090500	Restaurant Management	641.82
ACOSM001	Certified Survey Technician (CST)	3	1715020101	Civil Engineering Technology	320.91
ADESK002	Autodesk Certified User - AutoCAD	3	1604090100	Architectural Design & Construction Technology	320.91
ADESK002	Autodesk Certified User - AutoCAD	3	1615130102	Computer-Aided Drafting and Design	320.91
ADESK008	Autodesk Certified User - Revit Architecture	3	1604090100	Architectural Design & Construction Technology	320.91
ADESK008	Autodesk Certified User - Revit Architecture	3	1615100102	Building Construction Technology	320.91
ADESK008	Autodesk Certified User - Revit Architecture	3	1615130102	Computer-Aided Drafting and Design	320.91
ADESK011	Autodesk Certified User - Inventor	3	1615000001	Engineering Technology	320.91
ADESK021	Autodesk Certified Professional - AutoCAD	3	1615130102	Computer-Aided Drafting and Design	320.91
ADESK023	Autodesk Certified Professional - AutoCAD Civil 3D	3	1715020101	Civil Engineering Technology	320.91
ADESK024	Autodesk Certified Professional - Inventor	3	1615000001	Engineering Technology	320.91
ADESK025	Autodesk Certified Professional - Revit Architecture	3	1604090100	Architectural Design & Construction Technology	320.91
ADESK032	Autodesk Certified User - Fusion 360	3	1615000001	Engineering Technology	320.91
ADOBE010	Adobe Certified Associate (ACA) - Dreamweaver	3	1511080103	Internet Services Technology	320.91
ADOBE011	Adobe Certified Associate (ACA) - Flash/Animate	3	1511080103	Internet Services Technology	320.91
AIOPB001	Certified Bookkeeper	3	1552030201	Accounting Technology	320.91
AMAMA001	Certified Medical Assistant (CMA)	3	1351070101	Health Services Management	320.91
AMDDA002	Certified Apprentice Drafter - Architectural	3	1604090100	Architectural Design & Construction Technology	320.91
AMEDT005	Registered Phlebotomy Technician (RPT)	3	1351100405	Medical Laboratory Technology	320.91
AMSPT002	Certified Phlebotomy Technician	1	1351100405	Medical Laboratory Technology	106.97
APPLE002	Apple Certified Technical Coordinator	2	1511100112	Network Systems Technology	213.94

APPLE019	Apple Certified Support Professional	2	1511100112	Network Systems Technology	213.94
APPLE020	Apple Certified Pro (ACP) - Final Cut Pro X	3	1609070213	Digital Television and Media Production	320.91
APPLE020	Apple Certified Pro (ACP) - Final Cut Pro X	8	1610020202	Radio and Television Broadcast Programming	855.76
APPLE021	Apple App Development with Swift Certification Level 1	3	1511020101	Computer Programming and Analysis	320.91
CARCH002	Chief Architect Certified Apprentice	3	1604090100	Architectural Design & Construction Technology	320.91
CERHB001	Biotechnician Assistant	3	1341010100	Biotechnology Laboratory Technology	320.91
CISCO004	Cisco Certified Network Associate (CCNA)	12	1615120100	Computer Engineering Technology	1283.64
CISCO005	Cisco Certified Network Professional (CCNP)	12	1615120100	Computer Engineering Technology	1283.64
CISCO005	Cisco Certified Network Professional (CCNP)	12	1615030302	Telecommunications Engineering Technology	1283.64
CISCO011	Cisco Certified Network Associate Security (CCNA Security)	3	1615120100	Computer Engineering Technology	320.91
CISCO018	Cisco Certified Internetwork Expert Routing and Switching (CCIE Routing & Switching)	3	1615120100	Computer Engineering Technology	320.91
COMPT001	CompTIA A+	6	1615120100	Computer Engineering Technology	641.82
COMPT005	CompTIA Linux+	3	1511020101	Computer Programming and Analysis	320.91
COMPT006	CompTIA Network+	3	1615120100	Computer Engineering Technology	320.91
COMPT007	CompTIA Project+	3	1511100509	Technology Project Management	320.91
COMPT008	CompTIA Security+	3	1552120107	E-Business Technology	320.91
COMPT009	CompTIA Server+	3	1511010307	Computer Information Technology	320.91
COMPT009	CompTIA Server+	3	1511100112	Network Systems Technology	320.91
COMPT018	CompTIA IT Fundamentals+	3	1511010307	Computer Information Technology	320.91
COMPT018	CompTIA IT Fundamentals+	3	1511020101	Computer Programming and Analysis	320.91
CPREC001	Child Development Associate (CDA)	9	1413121004	Early Childhood Education Associate Degree	962.73
DANBD001	Certified Dental Assistant (CDA)	5	1351060104	Dental Assisting Technology and Management	534.85
ESRIC001	ArcGIS Desktop Entry	3	1511010307	Computer Information Technology	320.91
ETAIN008	Associate Certified Electronics Technician (CETa)	3	1615030301	Electronics Engineering Technology	320.91
ETAIN008	Associate Certified Electronics Technician (CETa)	3	1615000001	Engineering Technology	320.91

FDMQA030	911 Public Safety Telecommunicator	3	1743010302	Criminal Justice Technology	320.91
FEDAA004	FAA Aviation Mechanic Technician - Airframe	36	1649010401	Aviation Maintenance Management	3850.92
FEDAA004 and FEDAA010	FAA Aviation Mechanic Technician - Airframe and FAA Aviation Maintenance Technician - Powerplant	24	1647060700	Aviation Maintenance Administration	2567.28
FEDAA010	FAA Aviation Maintenance Technician - Powerplant	24	1649010401	Aviation Maintenance Management	2567.28
FEDAA011	FAA Private Pilot	3	1649010200	Professional Pilot Technology	320.91
FEDAA013	FAA Ground School	3	1615080102	Unmanned Vehicle Systems Operations	320.91
FLFBR001	Agritechnology Specialist Certification	2	1101000000	Agricultural Production Technology	213.94
FLFBR005	Animal Science Specialist Certification	3	1101010100	Agribusiness Management	320.91
FLFBR007	Agriculture Associate Certification	3	1101000000	Agricultural Production Technology	320.91
FLVMA002	Certified Veterinary Assistant (CVA)	3	1351080800	Veterinary Technology	320.91
FMAIN001	Precision Sheetmetal Operator - Level I (PSMO)	3	1615061307	Manufacturing Technology	320.91
FNGLA001	Certified Horticulture Professional	6	1101060502	Landscape & Horticulture Technology	641.82
FNGLA003	Certified Landscape Maintenance Technician	3	1101060502	Landscape & Horticulture Technology	320.91
FNGLA004	Certified Landscape Technician	3	1101060502	Landscape & Horticulture Technology	320.91
GRBCI002	LEED Green Associate	2	1615100102	Building Construction Technology	213.94
GRBCI002	LEED Green Associate	3	1715020101	Civil Engineering Technology	320.91
GRBCI002	LEED Green Associate	3	1646041201	Construction Management Technology	320.91
GRBCI002	LEED Green Associate	3	1615130102	Computer-Aided Drafting and Design	320.91
HVACE001	HVAC Excellence Employment Ready - Heat Pump	4	0615050100	Air Conditioning, Refrigeration and Heating Systems Technology	427.88
HVACE002	HVAC Excellence EmploymentReady - Air Conditioning	4	0615050100	Air Conditioning, Refrigeration and Heating Systems Technology	427.88
HVACE011	HVAC Excellence Employment Ready - Electrical	4	0615050100	Air Conditioning, Refrigeration and Heating Systems Technology	427.88
ICOEC005	EC-Council Cyber Forensics Associate	3	1511100308	Cybersecurity	320.91
ICOEC006	EC-Council Ethical Hacker Associate	3	1511100308	Cybersecurity	320.91
ICOEC006	EC-Council Ethical Hacker Associate	3	1511100307	IT Security	320.91
IHKBZ001	CNC Production Specialist	3	1615061307	Manufacturing Technology	320.91

IHKBZ002	Electronics Technician for Industrial Engineering	3	1615061307	Manufacturing Technology	320.91
IHKBZ004	Mechatronics Fitter	3	1615061307	Manufacturing Technology	320.91
IHKBZ005	Precision Machinist	3	1615061307	Manufacturing Technology	320.91
INTUT001	Quickbooks Certified User	3	1552030201	Accounting Technology	320.91
ISCET001	Associate Level Certified Electronic Technician	6	1615030301	Electronics Engineering Technology	641.82
ISCET002	Electronics System Associate (ESA)	3	1615030301	Electronics Engineering Technology	320.91
MICRO017	Microsoft Office Specialist Master	3	1552020401	Office Administration	320.91
MICRO069	Microsoft Office Specialist (MOS) Bundle Certification (3 of 6)	3	1552020401	Office Administration	320.91
MICRO070	Microsoft Technology Associate (MTA) - Database Administration Fundamentals	3	1511010307	Computer Information Technology	320.91
MICRO070	Microsoft Technology Associate (MTA) - Database Administration Fundamentals	3	1511020101	Computer Programming and Analysis	320.91
MICRO080	Microsoft Technology Associate (MTA) - HTML5 Application Developer Fundamentals	3	1511080103	Internet Services Technology	320.91
MICRO082	Microsoft Certified Solutions Associate (MCSA) - SQL Server 2012	3	1511010307	Computer Information Technology	320.91
MICRO082	Microsoft Certified Solutions Associate (MCSA) - SQL Server 2012	3	1511020101	Computer Programming and Analysis	320.91
MICRO089	Microsoft Certified Solutions Expert (MCSE) - Data Platform	3	1511010307	Computer Information Technology	320.91
MICRO089	Microsoft Certified Solutions Expert (MCSE) - Data Platform	3	1511020101	Computer Programming and Analysis	320.91
MICRO101	Microsoft Technology Associate (MTA) - Software Testing Fundamentals	3	1511020101	Computer Programming and Analysis	320.91
MICRO102	Microsoft Technology Associate (MTA) - Mobility and Devices Fundamentals	3	1511010307	Computer Information Technology	320.91
MICRO102	Microsoft Technology Associate (MTA) - Mobility and Devices Fundamentals	3	1511010308	Database Technology	320.91
MICRO104	Microsoft Technology Associate (MTA) - Introduction to Programming Using JavaScript	3	1511020101	Computer Programming and Analysis	320.91
MICRO106	Microsoft Certified Solutions Associate (MCSA) - Windows Server 2016	3	1511010307	Computer Information Technology	320.91
MICRO106	Microsoft Certified Solutions Associate (MCSA) - Windows Server 2016	3	1511100112	Network Systems Technology	320.91
MICRO112	Microsoft Technology Associate (MTA) - Introduction to Programming Using Python	3	1511020101	Computer Programming and Analysis	320.91
MICRO114	Microsoft Technology Associate (MTA) - Introduction to Programming Using Java	3	1511020101	Computer Programming and Analysis	320.91
MICRO115	Microsoft Technology Associate (MTA) - Windows Server Administration Fundamentals	3	1511010307	Computer Information Technology	320.91
MSSCN001	MSSC Certified Production Technician (CPT)	6	1615030301	Electronics Engineering Technology	641.82

MSSCN001	MSSC Certified Production Technician (CPT)	15	1615000001	Engineering Technology	1604.55
MSSCN001	MSSC Certified Production Technician (CPT)	9	1615061307	Manufacturing Technology	962.73
NACFS001	Modeling & Simulation (M&S) Certification	3	1511010307	Computer Information Technology	320.91
NACFS001	Modeling & Simulation (M&S) Certification	3	1511020101	Computer Programming and Analysis	320.91
NATEX001	Air Conditioning Service Technician	3	0615050100	Air Conditioning, Refrigeration and Heating Systems Technology	320.91
NATEX002	Air Conditioning Installation Specialization	4	0615050100	Air Conditioning, Refrigeration and Heating Systems Technology	427.88
NATEX003	Air to Air Heat Pump Installation Technician	4	0615050100	Air Conditioning, Refrigeration and Heating Systems Technology	427.88
NATHA007	Certified Phlebotomy Technician (CPT)	1	1351100405	Medical Laboratory Technology	106.97
NATHA010	Certified Pharmacy Technician (CPhT)	9	1351080502	Pharmacy Management	962.73
NCATT003	Aerospace / Aircraft Assembly (AAA)	9	1615080100	Aerospace Technology	962.73
NCCER008	NCCER Construction Technology (Secondary)	3	1604090100	Architectural Design & Construction Technology	320.91
NCCER018	NCCER HVAC - Level 1 (Secondary)	3	0615050100	Air Conditioning, Refrigeration and Heating Systems Technology	320.91
NCCER098	NCCER Manufactured Construction Technology - Level 1 (Secondary)	3	1615100102	Building Construction Technology	320.91
NCCER099	NCCER Manufactured Construction Technology - Level 2 (Secondary)	3	1615100102	Building Construction Technology	320.91
NCSBN002	National Licensed Practical Nurse (NCLEX-PN)	10	1351380100	Nursing R.N.	1069.7
NIASE005	ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2)	3	0615080300	Automotive Service Management Technology	320.91
NIASE007	ASE Automobile/Light Truck Technician: Brakes (A5)	3	0615080300	Automotive Service Management Technology	320.91
NIASE008	ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)	3	0615080300	Automotive Service Management Technology	320.91
NIASE009	ASE Automobile/Light Truck Technician: Engine Performance (A8)	3	0615080300	Automotive Service Management Technology	320.91
NIASE010	ASE Automobile/Light Truck Technician: Engine Repair (A1)	3	0615080300	Automotive Service Management Technology	320.91
NIASE011	ASE Automobile/Light Truck Technician: Heating and Air Conditioning (A7)	3	0615080300	Automotive Service Management Technology	320.91
NIASE012	ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3)	3	0615080300	Automotive Service Management Technology	320.91
NIASE014	ASE Automobile/Light Truck Technician: Suspension and Steering (A4)	3	0615080300	Automotive Service Management Technology	320.91
NIASE076	ASE Auto Maintenance and Light Repair (G1)	3	0615080300	Automotive Service Management Technology	320.91
NIFMS001	NIMS Machining Level I - CNC Milling: Programming Setup & Operations	1	1615000001	Engineering Technology	106.97

NIFMS001	NIMS Machining Level I - CNC Milling: Programming Setup & Operations	3	1615061307	Manufacturing Technology	320.91
NIFMS002	NIMS Machining Level I - CNC Turning: Programming Setup & Operations	1	1615000001	Engineering Technology	106.97
NIFMS002	NIMS Machining Level I - CNC Turning: Programming Setup & Operations	3	1615061307	Manufacturing Technology	320.91
NIFMS007	NIMS Machining Level II - Manual Milling Skills II	3	1615061307	Manufacturing Technology	320.91
NIFMS008	NIMS Machining Level I - Turning Operations: Turning Between Centers	3	1615061307	Manufacturing Technology	320.91
NIFMS010	NIMS Machining Level I - Turning Operations: Turning Chucking Skills	3	1615061307	Manufacturing Technology	320.91
NIFMS012	NIMS Machining Level II - Grinding Skills II	2	1615000001	Engineering Technology	213.94
NIFMS012	NIMS Machining Level II - Grinding Skills II	3	1615061307	Manufacturing Technology	320.91
NIFMS013	NIMS Machining Level I - Drill Press Skills I	3	1615061307	Manufacturing Technology	320.91
NRAEF001	Foodservice Management Professional (FMP)	3	1252090500	Restaurant Management	320.91
NRAEF002	National ProStart Certificate of Achievement	3	1612050401	Culinary Management	320.91
NRAEF003	Certified Food Protection Manager (ServSafe®)	3	1612050401	Culinary Management	320.91
NRAEF003	Certified Food Protection Manager (ServSafe®)	3	1252090500	Restaurant Management	320.91
NREMT001	Emergency Medical Technician (EMT)	9	1351090402	Emergency Medical Services	962.73
NRFSP001	Certified Food Safety Manager	3	1612050102	Baking & Pastry Management	320.91
NRFSP001	Certified Food Safety Manager	2	1612050401	Culinary Management	213.94
NRFSP001	Certified Food Safety Manager	2	1252090500	Restaurant Management	213.94
ORACL001	Oracle Certified Associate (OCA): Database	6	1511010308	Database Technology	641.82
ORACL004	Oracle Certified Associate (OCA): Java Programmer	3	1511020101	Computer Programming and Analysis	320.91
PROSO003	Certified Internet Web (CIW) E-Commerce Specialist	3	1552120107	E-Business Technology	320.91
PROSO006	Certified Internet Web (CIW) Database Design Specialist	3	1511010307	Computer Information Technology	320.91
PROSO006	Certified Internet Web (CIW) Database Design Specialist	3	1511020101	Computer Programming and Analysis	320.91
PROSO017	Certified Internet Web (CIW) JavaScript Specialist	3	1511020101	Computer Programming and Analysis	320.91
PROSO020	Certified Internet Web (CIW) Site Development Associate	3	1511080103	Internet Services Technology	320.91
PROSO022	Certified Internet Web (CIW) Web Design Specialist	3	1511080103	Internet Services Technology	320.91

PROSO027	Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist	3	1511010307	Computer Information Technology	320.91
PROSO027	Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist	3	1511020101	Computer Programming and Analysis	320.91
PTCBD001	Pharmacy Technician	9	1351080502	Pharmacy Management	962.73
SALES001	Salesforce Certified Administrator	3	1252140101	Marketing Management	320.91
SOLID003	Certified Solidworks Associate-Academic (CSWA-Academic)	3	1615000001	Engineering Technology	320.91
SOLID003	Certified Solidworks Associate-Academic (CSWA-Academic)	3	1615061307	Manufacturing Technology	320.91
TAFLP001	Accredited Legal Professional (ALP)	3	1552020401	Office Administration	320.91
TAFLP002	Professional Legal Secretary (PLS)	9	1552020401	Office Administration	962.73
USINS001	Small UAS Safety Certification	1	1649010200	Professional Pilot Technology	106.97

\* "Average Tuition and Fees Per Credit Hour" represents a weighted mean of the Florida College System institutions' tuition and fees per credit hour.  
Source: Resident Students Fee Per Credit Hour, Fall 2018-19, Credit Programs: A & P, PSV, Developmental Education and EPI Programs

Based on Active Articulation Agreements adopted by the State Board of Education as of May 13, 2020