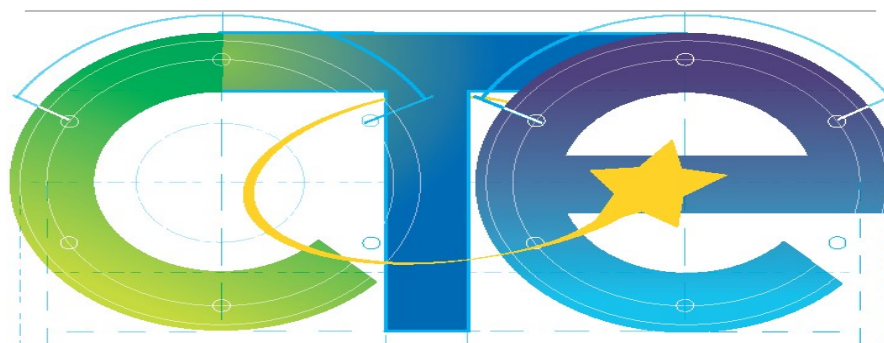


Brevard Public Schools



CAREER & TECHNICAL EDUCATION

Program Offerings 2021- 2022

The Department of Career & Technical Education provides leadership, service and connections to prepare learners for life, work and careers.

To contact the Office of Career & Technical Education call:

321-633-1000 extension 11380

or

Visit BrevardSchools.org

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August 2021

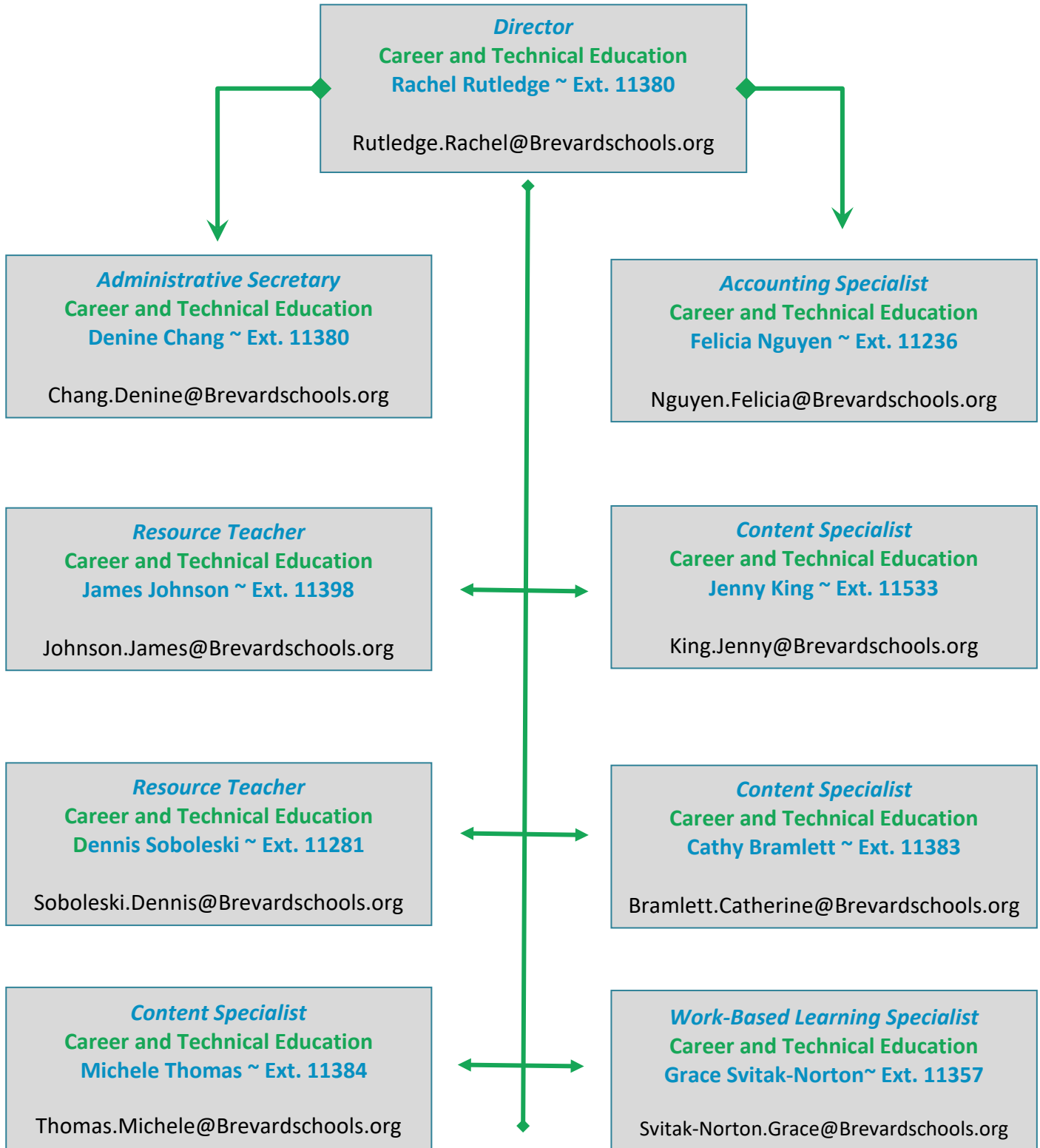
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****Industry Certification Substitution Information for Mathematics and Science****

Course code waiver numbers have been added to the CCD for student transcript purposes. The Industry Certification Mathematics Waiver numbers are 1200998 and 1200999; the Industry Certification Science Waiver number is 2000999 (see Section 3 of the CCD). Applicable industry certifications are noted with @ in the table with each courses Final Exam/Industry Certification.

CTE Contact Information



BPS Industry Certifications

Substituting for Math or Science Credit Toward Graduation

Industry certifications that lead to college credit may substitute for up to two mathematics credits toward high school graduation and one science credit toward high school graduation. The IC mathematics waivers may not be used to substitute for Algebra 1 or Geometry requirements. The IC science waiver may not be used to substitute for the Biology 1 requirements specified in s.1003.4282 FS.

The Florida Course Code Directory lists the waiver names and numbers. You may wish to visit the Course Code Directory webpage at: <http://www.fldoe.org/academics/career-adult-edu/career-technical-edu-agreements/industry-certification.stml>

1200998 Industry Certification Math Waiver 1 (MA subject code)

1200999 Industry Certification Math Waiver 2 (MA subject code)

2000999 Industry Certification Science Waiver (EQ subject code)

Cert. Code	Certification Title	# of Credits
ADESK002	Autodesk Certified User - AutoCAD	3
ADESK008	Autodesk Certified User – Revit Architecture	3
ADESK011	Autodesk Certified User - Autodesk Inventor	3
ADESK021	Autodesk Certified Professional - CAD	3
ADESK024	Autodesk Certified Professional - Inventor	3
ADESK025	Autodesk Certified Professional - Revit	3
ADESK032	Autodesk Certified User - Fusion 360	3
ADOBE023	Adobe Certified Professional in Video Design	3
ADOBE024	Adobe Certified Professional in Visual Design	3
ADOBE025	Adobe Certified Professional in Web Design	3
CARCH002	Chief Architect Certified Apprentice	3
CPREC001	Child Development Associate	9
FDMQA030	911 Public Safety Telecommunicator	3
FEDAA013	FAA Ground School	3
HVACE001	HVAC Excellence Employment Ready - Heat Pump	4
HVACE002	HVAC Excellence Employment Ready - Air Conditioning	4
HVACE011	HVAC Excellence Employment Ready - Electrical	4
INTUT001	Quickbooks Certified User	3
MICRO080	Microsoft Technology Associate (MTA) - HTML5 Application Development Fundamentals	3
MICRO104	Microsoft Technology Associate (MTA)- Introduction to Programming Using Java Script	3
MICRO112	Microsoft Technology Associate (MTA)- Introduction to Programming Using Python	3
MICRO114	Microsoft Technology Associate (MTA) - Introduction to Programming Using Java	3
MSSCN001	MSSC Certified Production Technician (CPT)	15
NATEX001	Air Conditioning Service Technician	3
NCATT003	Aerospace/Aircraft Assembly (AAA)	9
NCCER018	NCCER HVAC - Level 1	3
NIASE076	ASE Auto Maintenance and Light Repair (G1)	3
NIFMS001	NIMS Machining Level 1 - CNC Milling: Programming Setup & Operations	3
NIFMS013	NIMS Machining Level 1 - Drill Press Skills 1	3
NRAEF002	National ProStart Certificate of Achievement	3
NRAEF003	Certified Food Protection Manager (ServSafe®)	3
SOLID003	Certified Solidworks Associate - Academic (CSWA-Academic)	3
USINS001	Small UAS Safety Certification	1

BPS Industry Certifications that Satisfy the Online Course Requirement

1003.4282, F.S. Requirements for a standard high school diploma provided two additional options to satisfy the online course graduation requirement.

1. A student earns a nationally recognized industry certification in information technology that is identified on the CAPE Industry Certification Funding List (1008.44, F.S.) or passage of the information technology certification examination without enrollment in or completion of the corresponding course. The following list are the certifications we currently offer that meets this criteria:

Code	Certification Title
ADESK031	Autodesk Certified User - 3ds Max #
MICRO076	Microsoft Technology Associate (MTA) – Windows OS Fundamentals
MICRO077	Microsoft Technology Associate (MTA) – Security Fundamentals
MICRO078	Microsoft Technology Associate (MTA) – Networking Fundamentals
MICRO080	Microsoft Technology Associate (MTA) - HTML5 Application Developer Fundamentals
MICRO104	Microsoft Technology Associate (MTA) - Introduction to Programming Using JavaScript
MICRO105	Microsoft Technology Associate (MTA) - Introduction to Programming Using HTML and CSS
MICRO112	Microsoft Technology Associate (MTA) – Intro to Programming Using Python
MICRO114	Microsoft Technology Associate (MTA) - Introduction to Programming Using Java
UNITY001	Unity Certified Associate
UNITY002	Unity Certified User: Programmer

2. A student earns a nationally recognized industry certification taken in any course in the information technology career cluster. The following list are the Career and Technical IT programs/courses currently offered.

Code	Certification Title
9001300	Applied Cybersecurity
8207310	Digital Information Technology
9001320	Computer and Network Security Fundamentals
9001330	Cybersecurity Essentials
9003400	Applied Information Technology
9003410	Computer Fundamentals
9003450	Programming Essentials
9003480	Computer Networking Fundamentals
9003490	Cybersecurity Fundamentals
0200335	Advanced Placement Computer Science Principles
8208300	Game / Simulation / Animation / Programming
8208110	Game & Simulation Foundations
8208120	Game & Simulation Design
8208330	Game & Simulation Programming
8208340	Multi User Game & Simulation Programming
9007500	Web Application Development & Programming
9007210	Foundations of Programming
9007510	Web Programming
9007520	JavaScript Programming
9001100	Web Development
8207310	Digital Information Technology
9001110	Foundations of Web Design
9001120	User Interface Design
9001160	Interactivity Essentials

Orientation / Exploration

Grades 7 & 8

FTE Program No.	Course Number	Program and Course Titles	Career Cluster
102	9100110	Orientation to Career and Technical Occupations and Career Planning	Additional Career and Technical Education Programs/Courses - Diversified
102	8200520	Computer Applications in Business 1	Business Ed (Business Mgmt & Admin)
102	8200210	Computer Applications in Business 2	
102	8200211	Computer Applications in Business 3	
102	8207310	Digital Information Technology	
102	8209310	Careers in Fashion Design	FACS (Arts, A/V Tech & Comm)
102	8209100	Careers in Fashion and Interior Design	FACS (General)
102	8209200	Careers in Fashion and Interior Design and Career Planning	FACS (General)
102	8960370	Exploring Family & Consumer Sciences	FACS (Human Services)
102	8809200	Fundamentals of Culinary Careers	FACS (Hospitality & Tourism)
102	8500230	Personal Development	FACS (Human Services)
102	9009200	Coding Fundamentals	Information Tech
102	8600020	Exploring Technology	Tech Ed (Engineering & Technology)
102	8600030	Exploration of Communications Technology	
102	8600040	Exploration of Production Technology	
102	8600060	Exploration of Engineering Technology	
102	8600070	Exploration of Robotics Technology	

FTE Program No.	Course Number	Program and Course Titles	Career Cluster
102	9100210X	Exploration of Career and Technical Occupations	Additional Career and Technical Education Programs/Courses - Diversified
102	9100210A	Exploration of Career and Technical Occupations <i>Aerospace</i>	
102	9100210B	Exploration of Career and Technical Occupations Business	
102	9100210C	Exploration of Career and Technical Occupations <i>Coding</i>	
102	9100210D	Exploration of Career and Technical Occupations <i>Drama</i>	
102	9100210F	Exploration of Career and Technical Occupations <i>Forensic</i>	
102	9100210H	Exploration of Career and Technical Occupations <i>Health</i>	
102	9100210M	Exploration of Career and Technical Occupations <i>Maker Space</i>	
102	9100210P	Exploration of Career and Technical Occupations <i>Pre-Engineering</i>	
102	9100210R	Exploration of Career and Technical Occupations <i>Robotics</i>	
102	9100210S	Exploration of Career and Technical Occupations <i>Stagecraft</i>	
102	9100210T	Exploration of Career and Technical Occupations <i>TV</i>	
102	9100210V	Exploration of Career and Technical Occupations <i>Advanced Forensics</i>	
102	9100210W	Exploration of Career and Technical Occupations <i>Web</i>	
102	9100210Y	Exploration of Career and Technical Occupations <i>Yearbook</i>	

CTE Programs

Program/ Course Number	Program/Course Titles	State Level	PS/HS Credits/ Clock Hours	Final Exam / Industry Certification	Certification Name
8302100	<u>Accounting Applications</u>			Business Management & Administration	
8207310 - PA	Digital Information Technology	2	1.0	MTA OS Fundamentals	MICRO076
8203310	Accounting Applications 1	3	1.0	Quickbooks Certified User - @	INTUT001
8203320	Accounting Applications 2	3	1.0	Teacher Developed	
8723000	<u>A/C Refrigeration and Heating Technology</u>			Architecture & Construction	
8713010	A/C Refrigeration and Heating Technology 1	2	1.0	Universal EPA Exam SP 2 Safety Certification	
8713020	A/C Refrigeration and Heating Technology 2	2	1.0	HBI PACT Core	HBINS004
8713030	A/C Refrigeration and Heating Technology 3	2	1.0	Any certification not already passed	
8713040	A/C Refrigeration and Heating Technology 4	2	1.0	Any certification not already passed	
8713050	A/C Refrigeration and Heating Technology 5	2	1.0	OSHA 10	
8212500	<u>Administrative Office Specialist</u>			Business Management & Administration	
8207310 - PA	Digital Information Technology	2	1.0	MTA OS Fundamentals	MICRO076
8212120	Business Software Applications 1	2	1.0	Teacher Developed	
8212160	Business Software Applications 2	2	1.0	Teacher Developed	
9200200	<u>Advanced Manufacturing Technology</u>			Manufacturing / STEM	
9200210	Advanced Manufacturing Technology 1	2	1.0	Teacher Developed	
9200220	Advanced Manufacturing Technology 2	3	1.0	Teacher Developed	
9200230	Advanced Manufacturing Technology 3	3	1.0	Solidworks @ MSSC Certified Production Technician (CPT) @	SOLID003 MSSCN001
9001300	<u>Applied Cybersecurity</u>			Information Technology	
8207310 - PA	Digital Information Technology	2	1.0	MTA OS Fundamentals	MICRO076
9001320	Computer and Network Security Fundamentals	3	1.0	MTA Networking Fundamentals #	MICRO078
9001330	Cybersecurity Essentials	3	1.0	MTA Security Fundamentals #	MICRO077
8401100	<u>Applied Engineering Technology</u>			Engineering & Technology Education / STEM	
8401110 - PA	Applied Engineering Technology I	3	1.0	Teacher Developed	
8401120	Applied Engineering Technology II	3	1.0	Teacher Developed	
8401130 - PA	Applied Engineering Technology III	3	1.0	Solidworks @	SOLID003
9410100	<u>Applied Robotics</u>			Engineering & Technology Education / STEM	
9410110 - PA	Foundations of Robotics	3	1.0	Teacher Developed	
9410120 - PA	Robotic Design Essentials	3	1.0	Teacher Developed	
9410130 - PA	Robotic Systems	3	1.0	Autodesk Certified User - Inventor @	ADESK011
9410140 - PA	Robotics Applications Capstone	3	1.0		
8101100	<u>Architectural Drafting</u>			Architecture & Construction / STEM	
8725010 - PA	Drafting 1	3	1.0	Teacher Developed	
8725020 - PA	Drafting 2	3	1.0	Teacher Developed	
8725030 - PA	Drafting 3	3	1.0	Autodesk Certified User - AutoCAD @	ADESK002
8725040 - PA	Drafting 4	3	1.0	Autodesk Certified User - Inventor @ Autodesk Certified User - Revit Architecture @	ADESK011 ADESK008
9514000	<u>Automotive Collision Technology</u>			Transportation, Distribution & Logistics	
9514010	Automotive Collision Paint & Body Assistant	2	1.0	SP 2 Safety Certification	
9514020	Automotive Collision Paint & Refinishing Assistant 1	2	1.0	Teacher Developed	
9514030	Automotive Collision Paint & Refinishing Assistant 2	2	1.0	ASE Entry-Level - Collision: Painting and Refinishing	NIASE088
9514040	Automotive Collision Paint & Refinishing Assistant 3	2	1.0	ASE Entry-Level - Collision: Non-structural Analysis and Damage Repair (NS)	NIASE087
9514050	Auto. Collision Non-Structural Damage Assist. 1	2	1.0	ASE Entry-Level - Collision: Structural Analysis and Damage Repair (SR)	NIASE089
9514060	Auto. Collision Non-Structural Damage Assist. 2	2	1.0	Teacher Developed or any not passed	
9504100	<u>Automotive Maintenance and Light Repair</u>			Transportation, Distribution & Logistics	
9504110	Automotive Maintenance and Light Repair 1	3	1.0	SP 2 Safety Certification	
9504120	Automotive Maintenance and Light Repair 2	3	1.0	Teacher Developed	
9504130	Automotive Maintenance and Light Repair 3	3	1.0	ASE Entry-Level - Auto: Brakes (BR) ASE Entry-Level - Suspension and Steering (SS)	NIASE079 NIASE085
9504140	Automotive Maintenance and Light Repair 4	3	1.0	ASE Entry-level - Auto: Automatic Transmission/Transaxle (AT)	NIASE077
9504150	Automotive Maintenance and Light Repair 5	3	1.0	ASE Entry-Level, Electrical/Electronic Systems (EE) ASE Entry-Level, Engine Repair (ER)	NIASE080 NIASE082
9504160	Automotive Maintenance and Light Repair 6	3	1.0	ASE Entry-Level, Auto: Heating & Air Conditioning (AC) ASE Entry-Level, Auto: Manual Drive Train and Axles (MD) ASE Entry-Level, Auto: Engine Performance (EP) ASE Entry-level, Auto: Automobile Service Technology (AS) ASE Auto Maint. and Light Repair (G1) @	NIASE083 NIASE084 NIASE081 NIASE078 NIASE076

CTE Programs

Program/ Course Number	Program/Course Titles	State Level	PS/HS Credits/ Clock Hours	Final Exam / Industry Certification	Certification Name
9540700	<u>Aviation Assembly & Fabrication</u>			Transportation, Distribution & Logistics	
9540610	Private Pilot Ground School	3	1.0	FAA Ground School @	FEDAA013
9540710	Aviation Assembly Technician 1	3	1.0	Teacher Developed	
9540720	Aviation Assembly Technician 2	3	1.0	Teacher Developed	
9540730	Aviation Assembly Technician 3	3	1.0	ASTM - NCATT AAA (Aerospace Aircraft Assembly) @	NCATT003
8720300	<u>Building Construction Technologies</u>			Architecture & Construction	
8720310	Building Construction Technologies 1	2	1.0	SP 2 Safety Certification	
8720320	Building Construction Technologies 2	2	1.0	HBI PACT Core	HBINS004
8720330	Building Construction Technologies 3	3	1.0	OSHA 10	
8918000	<u>Criminal Justice Operations</u>			Law, Public Safety & Security	
8918010	Criminal Justice Operations 1	2	1.0	Teacher Developed	
8918020	Criminal Justice Operations 2	2	1.0	Teacher Developed	
8918030	Criminal Justice Operations 3	3	1.0	NOCTI - Criminal Justice	NOCTI010
8918050	Public Service Officer OR	3	1.0	Teacher Developed	
8918060	Certified Legal Assistant OR	3	1.0	Accredited Legal Professional	TAFL POOL-ALP
8918070	Code Enforcement	3	1.0	Teacher Developed	
8800500	<u>Culinary Arts</u>			Hospitality & Tourism	
8800510	Culinary Arts 1	2	1.0	Safe Staff Employee Food Handler	
8800520 - PA	Culinary Arts 2	2	1.0	ProStart Year 1 & ServSafe @	NRAEF002
8800530 - PA	Culinary Arts 3	3	1.0	Prostart Year 2	
	Culinary Arts 4 ~ One Option Below				
8800540	Culinary and Hospitality Management	3	1.0	ProStart Certificate of Achievement @	NRAEF003
8800550	Advanced Baking Techniques	3	1.0	ProStart Certificate of Achievement @	
8800560	Gastronomy and Garde Manger	3	1.0	ProStart Certificate of Achievement @	
8417140	<u>Dental Aide</u>			Health Science	
8417100 - EQ	Health Science Anatomy & Physiology *	3	1.0	Teacher Developed	
8417110	Health Science Foundations	3	1.0	Teacher Developed	
8417141	Dental Aide 3	3	1.0	Certified Medical Administrative Assistant (CMAA)	NATHA003
8209600	<u>Digital Design</u>			Arts, A/V, Technology & Communication	
8207310 - PA	Digital Information Technology	2	1.0	MTA OS Fundamentals	MICRO076
8209510 - PA	Digital Design 1	3	1.0	Photoshop	
8209520 - PA	Digital Design 2	3	1.0	Adobe Cert. Professional in Visual Design	ADOBE024
8209530 - PA	Digital Design 3	3	1.0	Teacher Developed	
8209540 - PA	Digital Design 4	3	1.0	Adobe Certified Professional in Web Design	ADOBE025
8209550 - PA	Digital Design 5	3	1.0	Teacher Developed	
8201200	<u>Digital Media / Multimedia Design</u>			Arts, A/V, Technology & Communication	
8201210 - PA	Digital Media/Multimedia Foundations 1	2	1.0	Photoshop	
8201220 - PA	Digital Media/Multimedia Foundations 2	2	1.0	Adobe Certified Professional in Visual Design	ADOBE024
8201230 - PA	Digital Media/Multimedia Foundations 3	3	1.0	Teacher Developed	
8201610 - PA	Digital Media/Multimedia Web Production	3	1.0	Adobe Certified Professional in Web Design	ADOBE025
8201620 - PA	Digital Media/Multimedia Motion Graphics Production	3	1.0	Adobe Certified Professional in Video Design	ADOBE023
8201400	<u>Digital Video Technology</u>			Arts, A/V, Technology & Communication	
8201410 - PA	Digital Video Technology 1	3	1.0	Teacher Developed	
8201420 - PA	Digital Video Technology 2	3	1.0	Adobe Certified Associate (ACA) - Premiere Pro	ADOBE018
8201430 - PA	Digital Video Technology 3	3	1.0	Any certification not already passed	
8201440 - PA	Digital Video Technology 4	3	1.0	Any certification not already passed	
8201450 - PA	Digital Video Technology 5	3	1.0	Any certification not already passed	
8725000	<u>Drafting</u>			Architecture and Construction	
8725010 - PA	Drafting 1	3	1.0	Teacher Developed	
8725020 - PA	Drafting 2	3	1.0	Teacher Developed	
8725030 - PA	Drafting 3	3	1.0	Autodesk Certified User - AutoCAD @	ADESK002
8725040 - PA	Drafting 4	3	1.0	Autodesk Certified User - Inventor @	ADESK011
				Autodesk Certified User - Revit Architecture @	ADESK008

* Anatomy & Physiology, 2000350, or Anatomy and Physiology Honors, 2000360, may be substituted for this course.

CTE Programs

Program/ Course Number	Program/Course Titles	State Level	PS/HS Credits/ Clock Hours	Final Exam / Industry Certification	Certification Name
8405100	<u>Early Childhood Education- Preschool Specialization, College Credit Certificate</u>			Education and Training	
8405110	Early Childhood Education 1	2	1.0	Teacher Developed	
8405120	Early Childhood Education 2	2	1.0	Teacher Developed	
EEC1200 - PA	Early Childhood Curriculum	N/A	3/5	Introductory Child Care Training Certificates	FLDCF004
EEC 2710	Conflict Resolution in Early Childhood	N/A	3/5	Introductory Child Care Training Certificates	FLDCF004
EEC 1601	Assessment in Early Childhood Education	N/A	3/5	Staff Credential	FLDCF005
EEC1942 - PA	Early Childhood Practicum	N/A	3/5	Staff Credential	FLDCF005
8405140	Early Childhood Education 4	3	1.0	Child Development Associate (CDA) @	CPREC001
8300430	CTE Internship	2	Multiple	Child Development Associate (CDA) @	CPREC001
8417170	<u>Emergency Medical Responder</u>			Health Science	
8417100 - EQ	Health Science Anatomy & Physiology *	3	1.0	Teacher Developed	
8417110	Health Science Foundations	3	1.0	Teacher Developed	
8417171	Emergency Medical Responder 3	3	1.0	Emergency Medical Responder	NREMT003
8007300	<u>Environmental Water & Reclamation Technology</u>			Agriculture, Food & Natural Resources / STEM	
8007110	Introduction to Environmental Water Technology	2	1.0	Teacher Developed	
8007120	Intermediate Environmental Water Technology	2	1.0	Teacher Developed	
8007130	Advanced Environmental Water Technology	2	1.0	Water Treatment Plant Operator Level C	FLDEP006
8007210	Advanced Environmental Water Reclamation Tech.	2	1.0	Wastewater Treatment Plant Operator Level C	FLDEP003
8417000	<u>Exercise Science</u>			Health Science	
8417100 - EQ	Health Science Anatomy & Physiology *	3	1.0	Teacher Developed	
8417110	Health Science Foundations	3	1.0	Teacher Developed	
8417120	Exercise Science	3	1.0	Certified Medical Administrative Assistant (CMAA)	NATHA003
8506400	<u>Fashion Technology and Design Services</u>			Arts, A/V, Technology & Communication	
8506405 - PA	Design Services Core	2	1.0	Teacher Developed	
8506410 - PA	Principles of Fashion Tech & Design Services	2	1.0	Teacher Developed	
8506420 - PA	Pattern Design Techniques	3	1.0	NOCTI Apparel and Textile Production and Merchandising	NOCTI003
8506430 - PA	Fashion Design Specialist	3	1.0	Teacher Developed	
8815100	<u>Finance</u>			Finance	
8207310 - PA	Digital Information Technology	2	1.0	MTA OS Fundamentals	MICRO076
8815120	Personal Finance	3	1.0	Teacher Developed	
8203310	Accounting Applications 1	3	1.0	Quickbooks Certified User @	INTUT001
8827110 - PA	Marketing Essentials	2	1.0	Teacher Developed	
8815130	Financial Internship			No Assessment	
	OR	2	Multiple		
8501420	Finance Cooperative Education OJT				
8208300	<u>Game / Simulation / Animation / Programming</u>			Information Technology	
8208110 - PA	Game & Simulation Foundations	2	1.0	Autodesk Certified User - 3ds Maya	ADESK030
8208120 - PA	Game & Simulation Design	2	1.0	Unity Certified User: Artist	UNITY003
8208330	Game & Simulation Programming	3	1.0	Unity Certified User: Programmer	UNITY002
8208340 - PA	Multi User Game & Simulation Programming	3	1.0	TBD	
8703100	<u>Hospitality and Tourism Management</u>			Hospitality & Tourism	
8850110	Introduction to Hospitality & Tourism	2	1.0	Teacher Developed	
8703130	Hospitality & Tourism Entrepreneurship	3	1.0	Teacher Developed	
8703120	Hospitality & Tourism Marketing Management	3	1.0	CIW - Social Media Strategist	PROSO031
8801101	Nutrition and Food Science	2	1.0	Teacher Developed	
8845130	Hospitality & Tourism Internship			No Assessment	
	OR	2	Multiple		
8800420	Hospitality & Tourism Cooperative Education OJT				
8506500	<u>Interior Design Services</u>			Arts, A/V, Technology & Communication	
8506405 - PA	Design Services Core	2	1.0	Teacher Developed	
8506540 - PA	Principles of Interior Design Services	2	1.0	Teacher Developed	
8506550 - PA	Interior Design Techniques	2	1.0	Chief Architect Certified Apprentice @	CARCH002
8506560 - PA	Interior Design Specialist	3	1.0	Teacher Developed	
8216100	<u>International Business</u>			Business Management & Administration	
8207310 - PA	Digital Information Technology	2	1.0	MTA OS Fundamentals	MICRO076
8203310	Accounting Applications 1	3	1.0	Quickbooks Certified User @	INTUT001
8216110	International Business Systems	2	1.0	Teacher Developed	
8216120	International Finance and Law	3	1.0	Teacher Developed	
8216130	Business Internship	2	1.0		

* Anatomy & Physiology, 2000350, or Anatomy and Physiology Honors, 2000360, may be substituted for this course.

CTE Programs

Program/ Course Number	Program/Course Titles	State Level	PS/HS Credits/ Clock Hours	Final Exam / Industry Certification	Certification Name
8771101	<u>Journalism & Multimedia</u>			Arts, A/V, Technology & Communication	
8203000 - PA	Foundations of Journalism	2	1.0	Teacher Developed	
8209510 - PA	Digital Design 1	3	1.0	Adobe - Photoshop	
8203001 - PA	Photojournalism	2	1.0	Teacher Developed	
9003400	<u>Lockheed Martin Applied Cybersecurity</u>			Information Technology	
9003410 - PA	Computer Fundamentals	2	1.0	MTA OS Fundamentals	MICRO076
9003450	Programming Essentials	3	1.0	OpenEDG Python Institute, Python Coding Specialist, MTA Introduction to Programming using Python	
9003480	Computer Networking Fundamentals	3	1.0	MTA Networking Fundamentals	MICRO078
9003490	Cybersecurity Fundamentals	3	1.0	MTA Security Fundamentals	MICRO077
0200335	Advanced Placement Computer Science Principles				
9202100	<u>Machining Technology</u>			Manufacturing / STEM	
9202110	Machining Technology 1	3	1.0	NIMS - CNC Milling Programming Setup & Operations @	NIFMS001
9202120 - PA	Machining Technology 2	3	1.0	NIMS – Drillpress 1 @	NIFMS013
9202130	Machining Technology 3	3	1.0	NIMS - Lathe Programming Setup & Operations @	NIFMS002
8404100	<u>Maritime Technology</u>			Engineering & Technology Education / STEM	
8404110	Maritime 1	3	1.0	Teacher Developed	
8404120	Maritime 2	3	1.0	Teacher Developed	
8404130	Maritime 3	3	1.0	MSSC Certified Logistics Technician (CLT)	MSSCN002
8404140	Maritime 4	3	1.0	TBD	
9200500	<u>Marketing, Management and Entrepreneurial Principles</u>			Marketing Sales & Service	
8827110 - PA	Marketing Essentials	2	1.0	Teacher Developed	
8827120 - PA	Marketing Applications	2	1.0	Teacher Developed	
8827130 - PA	Marketing Management	2	1.0	CIW - Social Media Strategist	PROSO031
8212300	<u>Medical Administrative Specialist</u>			Business Management & Administration	
8207310 - PA	Digital Information Technology	2	1.0	MTA OS Fundamentals	MICRO076
8212201	Medical Office Technology 1	2	1.0	Teacher Developed	
8212202	Medical Office Technology 2	2	1.0	Certified Medical Administrative Assistant	NATHA003
8417210	<u>Nursing Assistant</u>			Health Science	
8417100 - EQ	Health Science Anatomy & Physiology *	3	1.0	Teacher Developed	
8417110	Health Science Foundations	3	1.0	Teacher Developed	
	OR				
HSCC1000	Introduction to Health Care	N/A	3/.5	EFSC Approved Assessment	
HSC 1532	Advanced Medical Terminology	N/A	3/.5	EFSC Approved Assessment	
	AND				
HSC 0003	Basic Healthcare Worker	N/A	90/1	EFSC Approved Assessment	
HCP 0621	Articulated Nursing Assistant	N/A	75/.5	EFSC Approved Assessment	
HCP 0332	Advanced Home Health Aide	N/A	50/.3	EFSC Approved Assessment	
HCP 0020	Patient Care Assistant	N/A	75/.5	EFSC Approved Assessment	
8400100	Health Science Directed Study	2	0.2	Certified Nursing Assistant (CNA)	FDMQA002
9504200	<u>Outboard Marine Service Technology</u>			Transportation, Distribution & Logistics	
9504210	Outboard Marine Service 1	3	1.0	Teacher Developed	
9504220	Outboard Marine Service 2	3	1.0	ASE Entry-Level - Engine Performance (EP)	NIASE081
9504230	Outboard Marine Service 3	3	1.0	ASE Entry-Level - Auto: Electrical/Electronic Systems (EE)	NIASE080
9504240	Outboard Marine Service 4	3	1.0	Any certification not already passed	
9504250	Advanced Marine Technology 1	3	1.0	Any certification not already passed	
9504260	Advanced Marine Technology 2	3	1.0	Any certification not already passed	
9504270	Outboard Marine Service Capstone 5	3	1.0	Any certification not already passed	
8909000	<u>Principles of Teaching</u>			Education and Training	
8909010	Introduction to the Teaching Profession	2	1.0	Teacher Developed	
8909020	Human Growth and Development	2	1.0	Teacher Developed	
8909030	Foundations of Curriculum and Instruction	3	1.0	ParaPro Assessment	EDTSO001
8909040	Principles of Teaching Internship	2	1.0	Teacher Developed	
9101000	<u>Public Safety Telecommunication</u>			Law, Public Safety & Security	
9101100	Dispatcher: Police, Fire, Ambulance	2	1.5	911 Public Safety Telecommunicator	FDMQA030
8401000	<u>Technical Design</u>			Engineering & Technology Education / STEM	
8401010 - PA	Technical Design 1	3	1.0	Teacher Developed	
8401020 - PA	Technical Design 2	3	1.0	Teacher Developed	
8401030 - PA	Technical Design 3	3	1.0	Autodesk Certified User - AutoCAD @	ADESK002
				Autodesk Certified User - Inventor @	ADESK011
				Autodesk Certified User - Revit Architecture @	ADESK008

* Anatomy & Physiology, 2000350, or Anatomy and Physiology Honors, 2000360, may be substituted for this course.

PA - Meets Performing Fine Arts Graduation Requirement

EQ - Identifies courses that provide Equally Rigorous Science Credit

- Identifies Industry Certification Meets Online Course Credit

@ - Identifies Industry Certification can substitute for math or science credit

CTE Programs

Program/ Course Number	Program/Course Titles	State Level	PS/HS Credits/ Clock Hours	Final Exam / Industry Certification	Certification Name
8201500	<u>Television Production Technology</u>			Arts, A/V, Technology & Communication	
8201510 - PA	Television Production Technology 1	2	1.0	Teacher Developed	
8201520 - PA	Television Production Technology 2	2	1.0	Adobe - Premiere Pro	
8201530 - PA	Television Production Technology 3	3	1.0	Adobe Certified Professional in Video Design	ADOBE023
8201540 - PA	Television Production Technology 4	3	1.0	Any certification not already passed	
8201550 - PA	Television Production Technology 5	3	1.0	Any certification not already passed	
8201560 - PA	Television Production Technology 6	3	1.0	Any certification not already passed	
9007500	<u>Web Application Development & Programming</u>			Information Technology	
8207310 - PA	Digital Information Technology	2	1.0	MTA OS Fundamentals	MICRO076
9007210	Foundations of Programming	3	1.0	MTA - Introduction to Programming Using Python # @	MICRO112
9007510	Web Programming	3	1.0	MTA - Introduction to Programming Using HTML and CSS #	MICRO105
				MTA- HTML5 Application Developer Fundamentals # @	MICRO080
9007520	JavaScript Programming	3	1.0	MTA - Introduction to Programming Using JavaScript # @	MICRO104
9001100	<u>Web Development</u>			Information Technology / STEM	
8207310 - PA	Digital Information Technology	2	1.0	MTA OS Fundamentals	MICRO076
9001110 - PA	Foundations of Web Design	3	1.0	Teacher Developed	
9001120 - PA	User Interface Design	3	1.0	Teacher Developed	
9001160 - PA	Interactivity Essentials	3	1.0	Adobe Certified Professional in Web Design	ADOBE025
9204400	<u>Welding Technology Fundamentals</u>			Manufacturing / STEM	
9204410 - PA	Welding Technology Fundamentals 1	3	1.0	SP 2 Safety Certification	
9204420 - PA	Welding Technology Fundamentals 2	3	1.0	HBI PACT Core	HBINS004
9204430 - PA	Welding Technology Fundamentals 3	3	1.0	OSHA 10	

Stand Alone Courses

Course Number	Course Titles	State Level	HS Credits	Career Cluster
8700400	Architecture and Construction Cooperative Education - OJT	2	Multiple	Architecture & Construction
8200410	Business Cooperative Education -OJT	2	Multiple	Business Management & Administration
8200420	Business Cooperative Education Organization and Management	2	Multiple	Business Management & Administration
8200100	Business Education Directed Study	2	Multiple	Business Management & Administration
8500310	Child Development	2	0.5	Education & Training
8300430	CTE Internship	2	Multiple	Diversified Education
8600460	Engineering Systems	2	0.5	Engineering Technology
8500380 - PA	Fabric Construction	2	0.5	Arts, A/V Technology & Communication
8500345	Family Dynamics	2	0.5	Human Services
8900410	Law, Public Safety and Security Cooperative Education - OJT	2	Multiple	Law, Public Safety & Security
8800100	Marketing Education Directed Study	2	Multiple	Marketing Sales & Service
8800410	Marketing Cooperative Education-OJT	2	Multiple	Marketing Sales & Service
8400320	Medical Skills & Services	2	1.0	Health Science
8801101 - SC	Nutrition and Food Science	2	1.0	Hospitality & Tourism
8500355 - SC	Nutrition and Wellness	2	0.5	Hospitality & Tourism
8500300	Parenting Skills	2	0.5	Human Services
8500120	Personal & Family Finance/Personal Financial Literacy	2	0.5	Finance
8500390	Principles of Food	2	0.5	Hospitality & Tourism
9500420	Transportation Distribution and Logistics Cooperative Education - OJT	2	Multiple	Transportation, Distribution & Logistics
9501000	Transportation, Distribution and Logistics Directed Study	2	Multiple	Transportation, Distribution & Logistics
8601800	Work-Based Experience	2	Multiple (Max.=3.0)	Engineering Technology

CTE Bright Futures Scholarships

GSV - Gold Seal Vocational Scholars Requirements

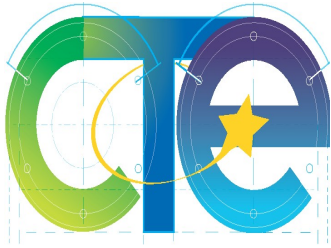
1. Complete three (3) secondary school career credits in a single Career and Technical Education program;
2. Achieve passing score on the Florida College Entry Level Placement Test;
3. Achieve minimum cumulative weighted grade point average of 3.0 on standard required courses, excluding elective courses;
4. Achieve minimum unweighted grade point average of 3.5 in the CTE courses;
5. Complete at least 30 hours of volunteer service hours.

GSC - Gold Seal CAPE Scholars Requirements

1. Five (5) postsecondary credit hours through approved CAPE industry certifications;
2. Complete at least 30 hours of volunteer service hours.

Career Academies & Career Clusters Offered by High School

● Grades 9-12



	<i>Astronaut</i>	<i>Bayside</i>	<i>Cocoa</i>	<i>Eau Gallie</i>	<i>Heritage</i>	<i>Melbourne</i>	<i>Merritt Island</i>	<i>Palm Bay Magnet</i>	<i>Rockledge</i>	<i>Satellite</i>	<i>Space Coast</i>	<i>Viera</i>	<i>Central MS</i>
CAREER ACADEMY THEMES													
Business and Finance						●					●	●	
Digital Arts & Media											●		
Engineering		●				●				●			
Environmental Water & Reclamation Tech					●								
Fine Arts	●	●		●		●			●				
Health Sciences	●												
Teaching Professions		●								●			
Wellness			●	●	●								

Dual Enrollment Agreements

Dual Enrollment allows students to enroll in postsecondary instruction and receive both postsecondary and secondary credit. The intent is to broaden curricular options, increase depth of study opportunities and shorten the time necessary for completing a postsecondary certificate or degree. CTE dual enrollment is not intended to enable students to participate in isolated courses unrelated to a program.

Dual Enrollment courses offered on the high school campus are listed in this booklet along with the secondary courses.

Refer to the 2021-2022 Eastern Florida State College Catalog or website for additional courses needed for an A.S. degree, college credit certificate, or postsecondary vocational certificate program (PSAV) completion.

Guidelines for Vocational Dual Enrollment programs are contained in the Interinstitutional Articulation Agreement. For further information, please call Career & Technical Education at 633-1000, ext. 11380.

Statewide Articulation Agreements - Industry Certification to AAS/AS Degree

The State Board of Education has approved Statewide Career and Technical Education Articulation Agreements, based on industry certification, which allows students to earn postsecondary credits in AAS/AS programs through the attainment of industry certifications. The Gold Standard Career Pathways Industry Certification Articulation Agreements can be found on the FL DOE website:

<http://www.fldoe.org/academics/career-adult-edu/career-technical-edu-agreements>

Advance Standing

Agreements with postsecondary institutions allow students to gain advance standing credit for selected courses when they enroll and successfully complete the next level of coursework in the same A.S., college credit certificate, or technical certificate program at the postsecondary level.

In order to be eligible to have advance standing credit placed on the student's postsecondary transcript, the criteria set forth in each program's memorandum of understanding (MOU) with the institution must be met. Students will not be charged any tuition or fees for advance standing credit awarded.

The following MOU's are in place:

Advance Standing Agreements with Eastern Florida State College

A/C Refrigeration & Heating Tech	Criminal Justice Operations	Maritime Technology
Accounting Applications	Culinary Arts	Marketing, Management &
Administrative Office Specialist	Digital Design	Entrepreneurial Principles
Advanced Manufacturing Tech	Digital Media/Multimedia	Principles of Teaching
Applied Engineering Technology	Drafting	Technical Design
Applied Robotics	Early Childhood Education	TV Production Technology
Architectural Drafting	Emergency Medical Responder	
Aviation Assembly & Fabrication	Machining Technology	

Advance Standing Agreement with Keiser University

Accounting Applications	Dental Aide	Game Simulation Anim./Prog.	Marketing, Management
Administrative Office Specialist	Emergency Medical Responder	Hospitality and Tourism Mgmt.	& Entrepreneurial Principles
Criminal Justice Operations	Exercise Science	International Business	Principles of Teaching
Culinary Arts	Finance		

Advance Standing Agreements with Florida Gateway College

Environmental Water & Reclamation Technology

Advance Standing Agreements with Lincoln Technical College

Automotive Collision Technology Automotive Maintenance & Light Repair Outboard Marine Service Technology

Advance Standing Agreement with Northwestern University Ohio

A/C Refrigeration & Heating
Automotive Maintenance & Light Repair

Advance Standing Agreement with Universal Technical Institute

Automotive Maintenance & Light Repair
Outboard Marine Service Technology