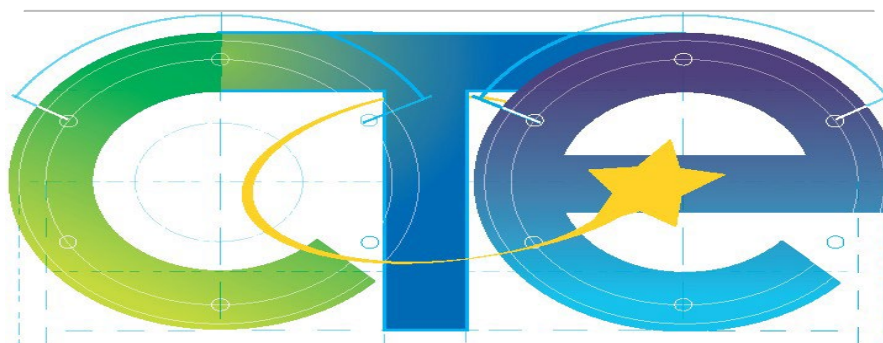


Brevard Public Schools



CAREER & TECHNICAL EDUCATION

Program Offerings 2023- 2024

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

Departments ~ Career and Technical Education

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August 2023

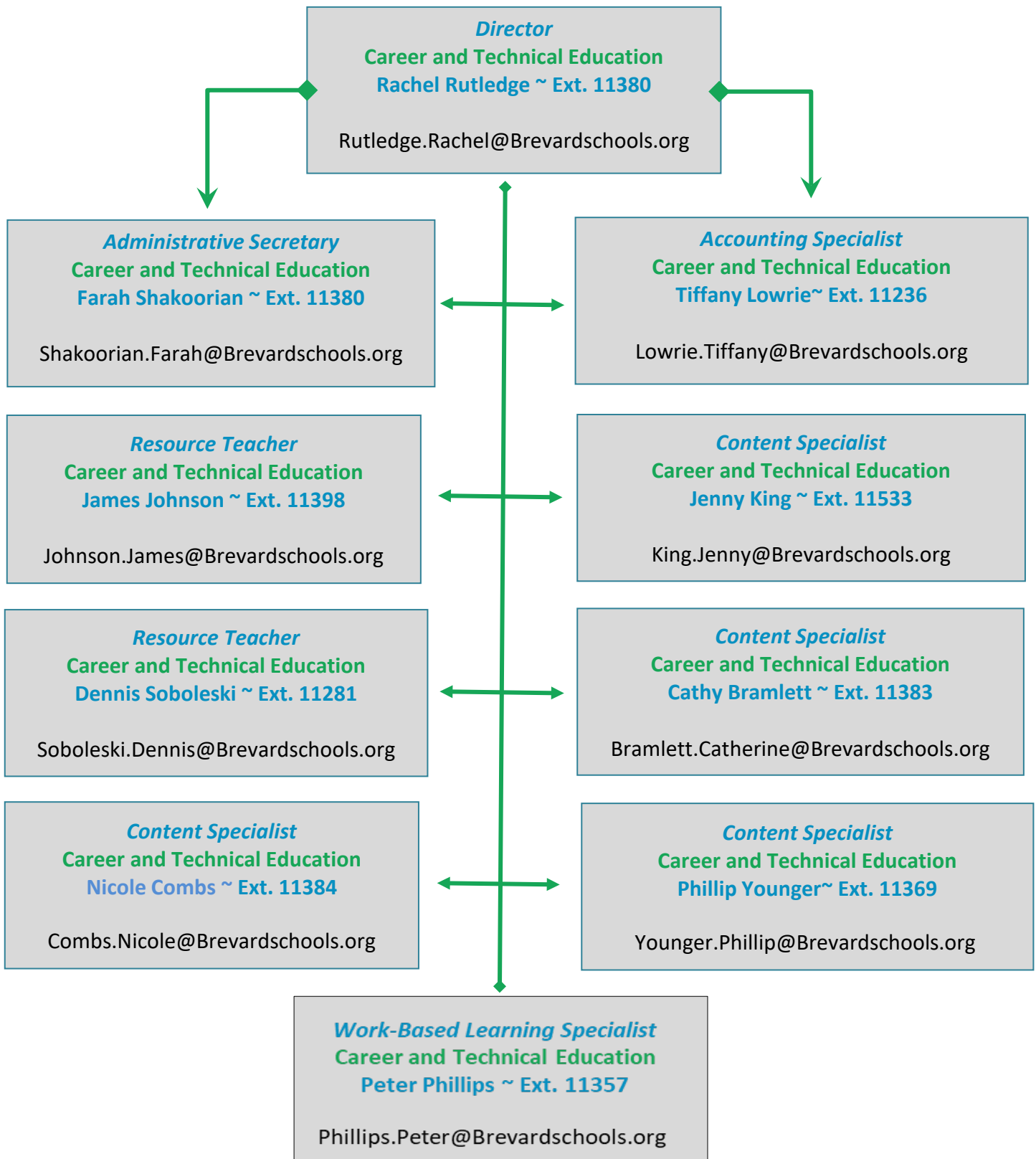
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****Industry Certification Substitution Information for Mathematics and Science****

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)

DOE 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
ADESK030	Autodesk Certified User - Maya	9
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
CERTI003	Information Technology Specialist (ITS) - Databases	3
CERTI008	Information Technology Specialist (ITS) - HTML5 Application Development	3
CERTI009	Information Technology Specialist (ITS) - Device Configuration and Management	3
CERTI010	Information Technology Specialist (ITS) - JavaScript	3
CERTI012	Information Technology Specialist (ITS) - Python	3
CERTI013	Information Technology Specialist (ITS) - Java	3
CERTI014	Information Technology Specialist (ITS) - Cloud Computing	3
COMPT006	CompTIA Network+	3
COMPT008	CompTIA Security +	3
COMPT018	CompTIA IT Fundamentals+	3
CPREC001	Child Development Associate	9
FDMQA030	911 Public Safety Telecommunicator	3
FEDAA013	FAA Ground School	3
ICOEC005	EC-Council Cyber Forensics Associate	3
ICOEC006	EC-Council Ethical Hacker Associate	3
INTUT001	Quickbooks Certified User	3
INTUT002	Entrepreneurship & Small Business	3
INTUT003	Master Entrepreneurship Certification	3
KNOWL001	Python Coding Specialist	3
MSSCN001	MSSC Certified Production Technician (CPT)	15
NCATT003	Aerospace/Aircraft Assembly (AAA)	9
NIASE076	ASE Auto Maintenance and Light Repair (G1)	3
NIFMS001	NIMS Machining Level I - CNC Milling: Programming Setup & Operations	3
NIFMS002	NIMS Machining Level I - CNC Turning: Programming Setup & Operations	3
NIFMS008	NIMS Machining Level I - Turning Operations: Turning Between Centers	3
NIFMS010	NIMS Machining Level I - Turning Operations: Turning Chucking Skills	3
NIFMS013	NIMS Machining Level I - Drill Press Skills 1	3
NRAEF003	Certified Food Protection Manager (ServSafe®)	3
NRFSP001	Certified Food Safety Manager (NRFSP)	3
PRMIN004	PMI Project Management Ready	3
PROSO017	Certified Internet Web (CIW) JavaScript Specialist	3
PROSO027	Certified Internet Web (CIW) Adv HTML 5 & CSS3 Spec	3
SALES001	Salesforce Certified Administrator	3
SOLID003	Certified Solidworks Associate - Academic (CSWA-Academic)	3
SOLID004	Certified Solidworks Professional - Academic	3
UNITY001	Unity Certified Associate	6
UNITY002	Unity Certified User Programmer	6
USINS001	Small UAS Safety Certification	1

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	9009600	Digital Discoveries in Society	
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	
102	9100110X	OR CAR & TEC OCCS & CP	Additional Career and Technical Education Programs/Courses - Diversified
102	9100110A	OR CAR & TEC OCCS & CP Aerospace	
102	9100110B	OR CAR & TEC OCCS & CP Business	
102	9100110C	OR CAR & TEC OCCS & CP Coding	
102	9100110D	OR CAR & TEC OCCS & CP Drama	
102	9100110F	OR CAR & TEC OCCS & CP Forensic s	
102	9100110H	OR CAR & TEC OCCS & CP Health	
102	9100110M	OR CAR & TEC OCCS & CP Maker Space	
102	9100110P	OR CAR & TEC OCCS & CP Pre-Engineering	
102	9100110R	OR CAR & TEC OCCS & CP Robotics	
102	9100110S	OR CAR & TEC OCCS & CP Stagecraft	
102	9100110T	OR CAR & TEC OCCS & CP TV	
102	9100110V	OR CAR & TEC OCCS & CP Advanced Forensics	
102	9100110W	OR CAR & TEC OCCS & CP Web	
102	9100110Y	OR CAR & TEC OCCS & CP Yearbook	

CTE Programs

Program/ Course Number	Program/Course Titles	State Level	PS/HS Credits/Cloc & Hours	Final Exam / Industry Certification	DOE Code
8302100	<u>Accounting Applications</u>			Business Management & Administration	
8207310	Digital Information Technology	2	1.0	Entrepreneurship & Small Business v.2 @	INTUT002
8203310	Accounting Applications 1	3	1.0	Quickbooks Certified User - @	INTUT001
8203320	Accounting Applications 2	3	1.0	Teacher Developed	
8212500	<u>Administrative Office Specialist</u>			Business Management & Administration	
8207310	Digital Information Technology	2	1.0	Entrepreneurship & Small Business v.2 @	INTUT002
8212120	Business Software Applications 1	2	1.0	Teacher Developed	
8212160	Business Software Applications 2	2	1.0	Teacher Developed	
8723000	<u>Air Conditioning, 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	Air Conditioning Refrigeration and Heating Technology 2	2	1.0	HBI PACT Core	HBINS004
8713030	Air Conditioning Refrigeration and Heating Technology 3	2	1.0	Any certification not already passed	
8713040	Air Conditioning Refrigeration and Heating Technology 4	2	1.0	Any certification not already passed	
8713050	Air Conditioning Refrigeration and Heating Technology 5	2	1.0	OSHA 10	
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	
9001310	IT Fundamentals	2	1.0	CompTIA IT Fundamentals+	COMPT018
9001320	Computer and Network Security Fundamentals	3	1.0	IT Specialist – Networking	CERTI007
9001330	Cybersecurity Essentials	3	1.0	Information Technology Specialist (ITS)-Network Security	CERTI006
8401100	<u>Applied Engineering Technology</u>			Engineering & Technology Education / STEM	
8401110	Applied Engineering Technology I	3	1.0	Teacher Developed	
8401120	Applied Engineering Technology II	3	1.0	Teacher Developed	
8401130	Applied Engineering Technology III	3	1.0	Solidworks @	SOLID003
9410100	<u>Applied Robotics</u>			Engineering & Technology Education / STEM	
9410110	Foundations of Robotics	3	1.0	Teacher Developed	
9410120	Robotic Design Essentials	3	1.0	Teacher Developed	
9410130	Robotic Systems	3	1.0	Autodesk Certified User - Inventor @	ADESK011
9410140	Robotics Applications Capstone	3	1.0		
8004100	<u>Aquaculture</u>			Agriculture, Food, & Natural Resources	
8106810-EQ	Agriscience Foundation 1	3	1.0	Teacher Developed	
8112010-EQ	Aquaculture 2	3	1.0	Teacher Developed	
8112020-EQ	Aquaculture 3	3	1.0	Aquaculture Technician	FLAQA001
8112030-EQ	Aquaculture 4	3	1.0	Teacher Developed	
8101100	<u>Architectural Drafting</u>			Architecture & Construction / STEM	
8725010	Drafting 1	3	1.0	Teacher Developed	
8725020	Drafting 2	3	1.0	Teacher Developed	
8725030	Drafting 3	3	1.0	Autodesk Certified User - AutoCAD @	ADESK002
8725040	Drafting 4	3	1.0	Autodesk Certified User - Inventor @	ADESK011
				Autodesk Certified User - Revit Architecture @	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)	NIASE079
				ASE Entry-Level - Suspension and Steering (SS)	NIASE085
9504140	Automotive Maintenance and Light Repair 4	3	1.0	ASE Entry-level - Auto: Automatic Transmission/Transaxle (AT)	NIASE077
				ASE Entry-Level, Electrical/Electronic Systems (EE)	NIASE080
9504150	Automotive Maintenance and Light Repair 5	3	1.0	ASE Entry-Level, Engine Repair (ER)	NIASE082
				ASE Entry-Level, Auto: Heating & Air Conditioning (AC)	NIASE083
				ASE Entry-Level, Auto: Manual Drive Train and Axles (MD)	NIASE084
				ASE Entry-Level, Auto:Engine Performance (EP)	NIASE081
				ASE Entry-level, Auto: Automobile Service Technology (AS)	NIASE078
				ASE Auto Maint. and Light Repair (G1) @	NIASE076

CTE Programs

Program/ Course Number	Program/Course Titles	State Level	PS/HS Credits/Cloc k Hours	Final Exam / Industry Certification	DOE Code
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	
8301100	<u>Business Management and Analysis</u>			Business Management and Administration	
8207310	Digital Information Technology	2	1.0	Entrepreneurship & Small Business v.2 @	INTUT002
8215120	Business and Entrepreneurial Principles	3	1.0	ESB if not already passed	
8203310	Accounting Applications 1	3	1.0	Quickbooks Certified User - @	INTUT001
8301110	Management and Human Resources	3	1.0	TBD	
8301120	Business Analysis	3	1.0	TBD	
8215130	Legal Aspects of Business	3	1.0	TBD	
9001500	<u>Cloud Computing and Virtualization</u>			Information Technology	
8207310	Digital Information Technology	2	1.0	Entrepreneurship & Small Business v.2 @	INTUT002
9001520	Network Engineering & Support	3	1.0	IT Specialist - Networking	CERTI007
9001530	Essentials of Cloud Technology	3	1.0	TBD	
9001540	Basics of Cloud Computing and Virtualization	3	1.0	TBD	
9001550	Advanced Cloud Computing and Virtualization	3	1.0	TBD	
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 or Teacher Developed	NOCTI010
9101100	Dispatcher: Police, Fire, Ambulance	2	1.5	911 Public Safety Telecommunicator	FDMQA030
8800500	<u>Culinary Arts</u>			Hospitality & Tourism	
8800510	Culinary Arts 1	2	1.0	Teacher Developed	
8800520	Culinary Arts 2	2	1.0	Certified Food Protection Manager (ServSafe) @	NRAEF003
8800530	Culinary Arts 3	3	1.0	Teacher Developed	
	Culinary Arts 4 ~ One Option Below			Teacher Developed	
8800540	Culinary and Hospitality Management	3	1.0		
8800550	Advanced Baking Techniques	3	1.0		
8800560	Gastronomy and Garde Manger	3	1.0		
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 EKG Technician (CET)	NATHA002
				Certified Medical Administrative Assistant (CMAA)	NATHA003
8209600	<u>Digital Design</u>			Arts, A/V, Technology & Communication	
8207310	Digital Information Technology	2	1.0	Entrepreneurship & Small Business v.2 @	INTUT002
8209510	Digital Design 1	3	1.0	Adobe Certified Professional in Visual Design @	ADOBE024
8209520	Digital Design 2	3	1.0	Teacher Developed	
8209530	Digital Design 3	3	1.0	Adobe Certified Professional in Web Design @#	ADOBE025
8209540	Digital Design 4	3	1.0	Teacher Developed	
8209550	Digital Design 5	3	1.0	Teacher Developed	
8201600	<u>Digital Media / Multimedia Design</u>			Arts, A/V, Technology & Communication	
8201210	Digital Media/Multimedia Foundations 1	2	1.0	Teacher Developed	
8201220	Digital Media/Multimedia Foundations 2	2	1.0	Adobe Certified Professional in Visual Design @	ADOBE024
8201230	Digital Media/Multimedia Foundations 3	3	1.0	Teacher Developed	
8201610	Digital Media/Multimedia Web Production	3	1.0	Adobe Certified Professional in Web Design @#	ADOBE025
8201620	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	Digital Video Technology 1	3	1.0	Teacher Developed	
8201420	Digital Video Technology 2	3	1.0	Adobe Certified Professional in Video Design @	ADOBE023
8201430	Digital Video Technology 3	3	1.0	Teacher Developed	
8201440	Digital Video Technology 4	3	1.0	Teacher Developed	
8201450	Digital Video Technology 5	3	1.0	Teacher Developed	
8725000	<u>Drafting</u>			Architecture and Construction	
8725010	Drafting 1	3	1.0	Teacher Developed	
8725020	Drafting 2	3	1.0	Teacher Developed	
8725030	Drafting 3	3	1.0	Autodesk Certified User - AutoCAD @	ADESK002
8725040	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/Cloc k Hours	Final Exam / Industry Certification	DOE Code
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	
8405130	Early Childhood Education 3	3	1.0	Teacher Developed	
EEC1200	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	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	Certified EKG Technician (CET)	NATHA002
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
				Certified EKG Technician (CET)	NATHA002
8815100	<u>Finance</u>			Finance	
8207310	Digital Information Technology	2	1.0	Entrepreneurship & Small Business v.2 @	INTUT002
8815120	Personal Finance	3	1.0	Teacher Developed	
8203310	Accounting Applications 1	3	1.0	Quickbooks Certified User @	INTUT001
				Certified Bookkeeping Professional	INTUT004
8827110	Marketing Essentials	2	1.0	PMI Project Management Ready	PRMIN004
8815130	Financial Internship			No Assessment	
	OR	2	Multiple		
8501420	Finance Cooperative Education OJT				
8208300	<u>Game / Simulation / Animation / Programming</u>			Information Technology	
8208110	Game & Simulation Foundations	2	1.0	Teacher Developed	
8208120	Game & Simulation Design	2	1.0	Unity Certified User: Artist	UNITY003
8208330	Game & Simulation Programming	3	1.0	Unity Certified User: Programmer @	UNITY002
8208340	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				
8216100	<u>International Business</u>			Business Management & Administration	
8207310	Digital Information Technology	2	1.0	Entrepreneurship & Small Business v.2 @	INTUT002
8203310	Accounting Applications 1	3	1.0	Certified Bookkeeping Professional	INTUT004
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		
8918200	<u>Introduction to Fire Fighting</u>			Law, Public Safety & Security	
8918210	Fire Fighting 1	2	1.0	Teacher Developed	
8918220	Fire Fighting 2	2	1.0	Teacher Developed	
8918230	Fire Fighting 3	3	1.0	Fire Fighter I	FLSFM005
8815100	<u>Junior Achievement-Hope Entrepreneurship</u>			Finance	
8207310	Digital Information Technology	2	1.0	Entrepreneurship & Small Business v.2 @	INTUT002
8815120	Personal Finance	3	1.0	Teacher Developed	
8815110	Economics and Financial Services	3	1.0	Certified Bookkeeping Professional	INTUT004
8812000	Business Ownership	3	1.0	PMI Project Management Ready	PRMIN004
8771101	<u>Journalism & Multimedia</u>			Arts, A/V, Technology & Communication	
8203000	Foundations of Journalism	2	1.0	Teacher Developed	
8209510	Digital Design 1	3	1.0	Adobe Cert. Professional in Visual Design @	ADOBE024
8203001	Photojournalism	2	1.0	Teacher Developed	

CTE Programs

Program/ Course Number	Program/Course Titles	State Level	PS/HS Credits/Cloc k Hours	Final Exam / Industry Certification	DOE Code
9003400	<u>Lockheed Martin Applied Cybersecurity/Applied Information Technology</u>			Information Technology	
9003410	Computer Fundamentals	2	1.0	To Be Determined	TBD
9003450	Programming Essentials	3	1.0	IT Specialist - Python	CERT1012
9003480	Computer Networking Fundamentals	3	1.0	IT Specialist - Networking	CERT1007
9003490	Cybersecurity Fundamentals	3	1.0	IT Specialist - Network Security	CERT1006
0200335	Advanced Placement Computer Science Principles				
8815100	Junior Achievement/Entrepreneurship				
9202100	<u>Machining Technology</u>			Manufacturing / STEM	
9202110	Machining Technology 1	3	1.0	NIMS - CNC Milling Programming Setup & Operations @	NIFMS001
9202120	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	Marketing Essentials	2	1.0	PMI Project Management Ready	PRMIN004
8827120	Marketing Applications	2	1.0	Teacher Developed	
8827130	Marketing Management	2	1.0	CIW - Social Media Strategist	PROSO031
8212300	<u>Medical Administrative Specialist</u>			Business Management & Administration	
8207310	Digital Information Technology	2	1.0	Entrepreneurship & Small Business v.2 @	INTUT002
8212201	Medical Office Technology 1	2	1.0	Teacher Developed	
8212202	Medical Office Technology 2	2	1.0	Certified Medical Administrative Assistant (CMAA)	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
	OR				
8417211	Nursing Assistant 3	3	1.0	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	Florida Teacher Certification Exam	FLDOE004
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	Technical Design 1	3	1.0	Teacher Developed	
8401020	Technical Design 2	3	1.0	Teacher Developed	
8401030	Technical Design 3	3	1.0	Autodesk Certified User - AutoCAD @	ADESK002
				Autodesk Certified User - Inventor @	ADESK011
				Autodesk Certified User - Revit Architecture @	ADESK008
8201500	<u>Television Production Technology</u>			Arts, A/V, Technology & Communication	
8201510	Television Production Technology 1	2	1.0	Teacher Developed	
8201520	Television Production Technology 2	2	1.0	Teacher Developed	
8201530	Television Production Technology 3	3	1.0	Adobe Certified Professional in Video Design @	ADOBE023
8201540	Television Production Technology 4	3	1.0	Any certification not already passed	
8201550	Television Production Technology 5	3	1.0	Any certification not already passed	
8201560	Television Production Technology 6	3	1.0	Any certification not already passed	

CTE Programs

Program/ Course Number	Program/Course Titles	State Level	PS/HS Credits/Clock Hours	Final Exam / Industry Certification	DOE Code
9007500	<u>Web Application Development & Programming</u>			Information Technology	
8207310 - PA	Digital Information Technology	2	1.0	Entrepreneurship & Small Business v.2 @	INTUT002
9007210	Foundations of Programming	3	1.0	IT Specialist - Python	CERT1012
				OR	
				Python Coding Specialist	KNOWL001
9007510	Web Programming	3	1.0	IT Specialist - HTML and CSS	CERT1011
				OR	
				Information Technology Specialist (ITS) - HTML5 Application	CERTI008
	AND				
9007520	JavaScript Programming	3	1.0	IT Specialist - JavaScript	CERT1010
	OR				
9007230	Object-Oriented Programming Fundamentals	3	1.0	Unity Certified User: Programmer	UNITY002
	OR				
9007530	PHP Programming (IT Data Base)	3	1.0	Information Technology Specialist (ITS) - Databases	CERTI003
9204400	<u>Welding Technology Fundamentals</u>			Manufacturing / STEM	
9204410	Welding Technology Fundamentals 1	3	1.0	SP 2 Safety Certification	
9204420	Welding Technology Fundamentals 2	3	1.0	HBI PACT Core	HBINS004
9204430	Welding Technology Fundamentals 3	3	1.0	OSHA 10	
8104300	<u>Carpentry</u>			Architecture & Construction	
8104310	Carpentry Fundamentals	2	1.0	HBI PACT Core	HBINS004
8104320	Carpentry Layout	2	1.0	TBD	
8104330	Carpentry Framing	2	1.0	TBD	
8104340	Carpentry Exterior	2	1.0	TBD	
8104350	Carpentry Finish	2	1.0	TBD	

Stand Alone Courses

Course Number	Course Titles	State Level	HS Credits	Career Cluster
8601900	Advanced Technology Applications	3	Multiple	Engineering & Technology Education
8200420	Business Cooperative Education Organization and Management	2	Multiple	Business Management & Administration
8500310	Child Development	2	0.5	Education & Training
8300430P	CTE Internship (Paid)	2	Multiple	Diversified Education
8300430U	CTE Internship (Unpaid)	2	Multiple	Diversified Education
8300100	Diversified Education Directed Study	2	Multiple	Diversified Education
8600460	Engineering Systems	2	0.5	Engineering Technology
8500380	Fabric Construction	2	0.5	Arts, A/V Technology & Communication
8500345	Family Dynamics	2	0.5	Human Services
8400320	Medical Skills & Services	2	1.0	Health Science
8801101	Nutrition and Food Science	2	1.0	Hospitality & Tourism
8500355	Nutrition and Wellness	2	0.5	Hospitality & Tourism
8500300	Parenting Skills	2	0.5	Human Services
8500120	Personal Financial Literacy	2	0.5	Finance
8500390	Principles of Food	2	0.5	Hospitality & Tourism
8900330	Principles of Public Service	2	1.0	Government and Public Administration
8601800	Work-Based Experience	2	Multiple (Max.=3.0)	Engineering Technology

CTE Bright Futures Scholarships

GSV - Gold Seal Vocational Scholars Requirements

1. Complete required high school coursework that results in a standard Florida high school diploma.
2. Complete three (3) secondary school career credits in single Career and Technical Education program.
3. Achieve passing score on the Florida College Entry Level Placement Test;
4. Achieve minimum cumulative weighted grade point average of 3.0 on standard required courses, excluding elective courses.
5. Achieve minimum unweighted grade point average of 3.5 in the CTE courses;
6. Complete at least 30 hours of volunteer service hours or 100 hours of work or a combination of both paid work and/or volunteer 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 or 100 hours of work or a combination of both paid work and/or volunteer hours.

Career Academies Offered by School

- ➔ **Astronaut High School**
 - ★ Fine Arts
 - ★ Health Sciences

- ➔ **Bayside High School**
 - ★ Engineering
 - ★ Fine Arts

- ➔ **Cocoa High School**
 - ★ Wellness

- ➔ **Eau Gallie High School**
 - ★ Fine Arts
 - ★ Wellness

- ➔ **Heritage High School**
 - ★ Environmental Water & Reclamation Tech
 - ★ Sports Medicine

- ➔ **Madison Middle School**
 - ★ Innov8 Academy

- ➔ **Merritt Island High School**
 - ★ Engineering
 - ★ Fine Arts

- ➔ **Satellite High School**
 - ★ Fine Arts

- ➔ **Space Coast Jr/Sr High School**
 - ★ Engineering
 - ★ Teaching Professions

- ➔ **Viera High School**
 - ★ Business and Finance
 - ★ Digital Arts & Media

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 2023-2024 Eastern Florida State College Catalog or website for additional courses needed for an A.S. degree, college credit certificate, career technical certificate or postsecondary vocational certificate program (PSAV) completion.

Guidelines for Vocational Dual Enrollment programs are contained in the Inter institutional 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 <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 | * Architectural Drafting | * Early Childhood Education | Entrepreneurial Principles |
| * Accounting Applications | * Aviation Assembly & Fabrication | * Emergency Medical Responder | * Principles of Teaching |
| * Administrative Office Specialist | * Criminal Justice Operations | * Finance | * Technical Design |
| * Advanced Manufacturing Tech | * Digital Design | * Machining Technology | * TV Production Technology |
| * Applied Engineering Technology | * Digital Media/Multimedia | * Maritime Technology | |
| * Applied Robotics | * Drafting | * Marketing, Management & | |

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 | * Nursing Assistant |
| * 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

- | | | | |
|------------------------------------|-------------------------------|---------------------------------|------------------------------|
| * Accounting Applications | * Dental Aide | * Game Simulation Anim./Prog. | * Marketing, Management |
| * Administrative Office Specialist | * Emergency Medical Responder | * Hospitality and Tourism Mgmt. | & Entrepreneurial Principles |

Advance Standing Agreement with Universal Technical Institute

- * Automotive Maintenance & Light Repair
- * Outboard Marine Service Technology

ANNUAL NOTICE OF NONDISCRIMINATION FOR CTE PROGRAMS
June 1, 2023

Brevard Public Schools offers student academic programs in the following areas of study:

Design and Media	Law and Public Safety
Business, Marketing, and Finance	Hospitality and Culinary Arts
Education	Engineering and Manufacturing
Computer Sciences	Construction and Industrial Technology
Health Sciences	Transportation and Mechanics

The district's career and technical programs are open to all eligible high school students in the district and are committed to a policy of nondiscrimination in employment and educational opportunity. No person shall be discriminated against or harassed in any educational program, services or activities, or employment conditions or practices on the basis of race, color, national origin, religion, sex, age, disability, marital status, or sexual orientation.

Students interested in a career and technical program have the option of enrolling in a program at their residential zoned school as first-come, first serve. Students interested in program that is not offered at their residential zoned school may pursue a program at another school by submitting an Educational Program Opportunity application through the Open Enrollment/Choice application process <https://www.brevardschools.org/Page/2381>.

Admission is open to students with limited English proficiency. In order to eliminate barriers, the district assesses each student's ability to participate and benefit through placement testing and counseling. Based on assessments, services or referrals are provided to help prepare students for successful participation.

Questions, complaints, or requests for additional information regarding discrimination or harassment may be sent to:

Name/Title IX Coordinator and District Compliance Officer: Jacqueline Saxenmeyer
Office Address: 2700 Judge Fran Jamieson Way, Melbourne FL 32940
Phone Number (Voice/TDD): (321)633-1000 x11280
E-mail address: titleIXContact@brevardschools.org

