

**2019-20**  
**Rigorous Course Graduation Requirement**  
**CTE Program Course Sequences**

Program/Course Name	Program & Course #'s	Grade Level	PS Degree/ Certif.	Credits PS/HS
<b>A/C Refrigeration and Heating</b>		<b>8723000</b>		
A/C Refrigeration and Heating Technology 1	8713010X	9 - 12	Secondary	1
A/C Refrigeration and Heating Technology 2	8713020X	9 - 12	Secondary	1
A/C Refrigeration and Heating Technology 3	8713030X	9 - 12	Secondary	1
<b>Accounting Applications</b>		<b>8302100</b>		
Digital Information Technology	8207310X	9 - 12	Secondary	1
Accounting Applications I	8203310X	9 - 12	Secondary	1
Accounting Applications 2	8203320X	9 - 12	Secondary	1
<b>Administrative Office Specialist</b>		<b>8212500</b>		
Digital Information Technology	8207310X	9 - 12	Secondary	1
Business Software Applications 1	8212120X	9 - 12	Secondary	1
Business Software Applications 2	8212130X	9 - 12	Secondary	1
<b>Advanced Manufacturing Technology</b>		<b>9200200</b>		
Advanced Manufacturing Technology 1	9200210X	9 - 12	Secondary	1
Advanced Manufacturing Technology 2	9200220X	9 - 12	Secondary	1
Advanced Manufacturing Technology 3	9200230X	9 - 12	Secondary	1
<b>Applied Engineering Technology</b>		<b>8401100</b>		
Applied Engineering Technology I	8401110X	9 - 12	Secondary	1
Applied Engineering Technology II	8401120X	9 - 12	Secondary	1
Applied Engineering Technology III	8401130X	9 - 12	Secondary	1
<b>Applied Robotics</b>		<b>9410100</b>		
Foundations of Robotics	9410110X	9 - 12	Secondary	1
Robotic Design Essentials	9410120X	9 - 12	Secondary	1
Robotic Systems	9410130X	9 - 12	Secondary	1
<b>Architectural Drafting</b>		<b>8101100</b>		
Drafting 1	8725010X	9 - 12	Secondary	1
Drafting 2	8725020X	9 - 12	Secondary	1
Drafting 3	8725030X	9 - 12	Secondary	1
<b>Automotive Collision Technology</b>		<b>9514000</b>		
Automotive Collision Paint and Body Assistant	9514010X	9 - 12	Secondary	1
Automotive Collision Paint & Refinishing Assistant 1	9514020X	9 - 12	Secondary	1
Automotive Collision Paint & Refinishing Assistant 2	9514030X	9 - 12	Secondary	1

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<b>Automotive Maintenance &amp; Light Repair</b>				
<b>9504100</b>				
Automotive Maintenance & Light Repair 1	9504110X	9 - 12	Secondary	1
Automotive Maintenance & Light Repair 2	9504120X	9 - 12	Secondary	1
Automotive Maintenance & Light Repair 3	9504130X	9 - 12	Secondary	1
<b>Aviation Assembly &amp; Fabrication</b>				
<b>9540700</b>				
Private Pilot Ground School	9540610X	9 - 12	Secondary	1
Aviation Assembly Technician 1	9540710X	9 - 12	Secondary	1
Aviation Assembly Technician 2	9540720X	9 - 12	Secondary	1
Aviation Assembly Technician 3	9540730X	9 - 12	Secondary	1
<b>Building Construction Technologies</b>				
<b>8720300</b>				
Building Construction Technologies 1	8720310X	9 - 12	Secondary	1
Building Construction Technologies 2	8720320X	9 - 12	Secondary	1
Building Construction Technologies 3	8720330X	9 - 12	Secondary	1
<b>Criminal Justice Operations</b>				
<b>8918000</b>				
Criminal Justice Operations I	8918010X	9 - 12	Secondary	1
Criminal Justice Operations 2	8918020X	9 - 12	Secondary	1
Criminal Justice Operations 3	8918030X	9 - 12	Secondary	1
<b>Culinary Arts</b>				
<b>8800500</b>				
Culinary Arts 1	8800510X	9 - 12	Secondary	1
Culinary Arts 2	8800520X	9 - 12	Secondary	1
Culinary Arts 3	8800530X	9 - 12	Secondary	1
<b>Dental Aide</b>				
<b>8417140</b>				
Health Science Anatomy & Physiology	8417100X	10 - 12	Secondary	1
Health Science Foundations	8417110X	10 - 12	Secondary	1
Dental Aide 3	8417141X	10 - 12	Secondary	1
* The course Anatomy and Physiology (2000350) or Anatomy and Physiology Honors (2000360) may be substituted for the course Health Science Anatomy & Physiology (8417100)				
<b>Digital Design</b>				
<b>8209600</b>				
Digital Information Technology	8207310	9 - 12	Secondary	1
Digital Design 1	8209510X	9 - 12	Secondary	1
Digital Design 2	8209520X	9 - 12	Secondary	1
Digital Design 3	8209530X	10 - 12	Secondary	2
<b>Digital Media / Multimedia Design</b>				
<b>8201200</b>				
Digital Media / Multimedia Foundations 1	8201210X	9 - 12	Secondary	1
Digital Media / Multimedia Foundations 2	8201220X	9 - 12	Secondary	1
Digital Media / Multimedia Foundations 3	8201230X	9 - 12	Secondary	1
<b>Drafting</b>				
<b>8725000</b>				
Drafting 1	8725010X	9 - 12	Secondary	1
Drafting 2	8725020X	9 - 12	Secondary	1
Drafting 3	8725030X	9 - 12	Secondary	1

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Program/Course Name	Program & Course #'s	Grade Level	PS Degree/ Certif.	Credits PS/HS
<b>Early Childhood Education (College Credit Cert.)</b>				
<b>8405100</b>				
Early Childhood Education 1	8405110X	9 - 12	Secondary	1
Early Childhood Education 2	8405120X	9 - 12	Secondary	1
Early Childhood Curriculum	EEC 1200X	10 - 12	CCC	3/5
Conflict Resolution in Early Childhood Education	EEC 2710X	10 - 12	CCC	3/5
Assessment in Early Childhood Education	EEC 1601X	10 - 12	CCC	3/5
Early Childhood Practicum	EEC 1942X	10 - 12	CCC	3/5
Early Childhood Education 4	8405140X	9 - 12	Secondary	1
<b>Emergency Medical Responder</b>				
<b>8417170</b>				
Health Science Anatomy & Physiology	8417100X	10 - 12	Secondary	1
Health Science Foundations	8417110X	10 - 12	Secondary	1
Emergency Medical Responder 3	8417171X	10 - 12	Secondary	1
* The course Anatomy and Physiology (2000350) or Anatomy and Physiology Honors (2000360) may be substituted for the course Health Science Anatomy & Physiology (8417100)				
<b>Engineering Pathways (PLTW)</b>				
<b>9400300</b>				
Introduction to Engineering Design	8600550X	9 - 12	Secondary	1
Principles of Engineering	8600520X	9 - 12	Secondary	1
Digital Electronics	8600530X	9 - 12	Secondary	1
Aerospace Engineering	8600620X	9 - 12	Secondary	1
<b>Environmental Water &amp; Reclamation Technology</b>				
<b>8007300</b>				
Introduction to Environmental Water Technology	8007110X	9 - 12	Secondary	1
Intermediate Environmental Water Technology	8007120X	9 - 12	Secondary	1
Advanced Environmental Water Technology	8007130X	9 - 12	Secondary	1
<b>Exercise Science</b>				
<b>8417000</b>				
Health Science Anatomy & Physiology	8417100X	10 - 12	Secondary	1
Health Science Foundations	8417110X	10 - 12	Secondary	1
Exercise Science	8417120X	10 - 12	Secondary	1
* The course Anatomy and Physiology (2000350) or Anatomy and Physiology Honors (2000360) may be substituted for the course Health Science Anatomy & Physiology (8417100)				
<b>Fashion Technology and Design Services</b>				
<b>8506400</b>				
Design Services Core	8506405F	9 - 12	Secondary	1
Principles of Fashion Technology Design Services	8506410X	9 - 12	Secondary	1
Pattern Design Techniques	8506420X	9 - 12	Secondary	1
<b>Finance</b>				
<b>8815100</b>				
Business Communication & Technology	8815150X	9 - 12	Secondary	1
Economics and Financial Services	8815110X	9 - 12	Secondary	1
Personal Finance	8815120X	9 - 12	Secondary	1
Accounting Applications I	8203310X	9 - 12	Secondary	1

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<b>Game / Simulation / Animation / Programming</b>		<b>8208300</b>		
Game & Simulation Foundations	8208110X	9 - 12	Secondary	1
Game & Simulation Design	8208120X	9 - 12	Secondary	1
Game & Simulation Programming	8208330X	9 - 12	Secondary	1
<b>Geospatial/Geographic Information Systems</b>		<b>8600200</b>		
Introduction to GIS/RS Technology	8600260X	9 - 12	Secondary	1
Essential GIS/RS Tools & Processes	8600270X	9 - 12	Secondary	1
GIS Analysis & Modeling	8600280X	9 - 12	Secondary	1
<b>Interior Design Service</b>		<b>8506500</b>		
Design Services Core	8506405I	9 - 12	Secondary	1
Principles of Interior Design Services	8506540X	9 - 12	Secondary	1
Interior Design Techniques	8506550X	9 - 12	Secondary	1
<b>International Business</b>		<b>8216100</b>		
Digital Information Technology	8207310X	9 - 12	Secondary	1
Accounting Applications I	8203310X	9 - 12	Secondary	1
International Business Systems	8216110X	9 - 12	Secondary	1
<b>Machining Technology</b>		<b>9202100</b>		
Machining Technology 1	9202110X	9 - 12	Secondary	1
Machining Technology 2	9202120X	9 - 12	Secondary	1
Machining Technology 3	9202130X	9 - 12	Secondary	1
<b>Maritime Technology</b>		<b>8404100</b>		
Maritime 1	8404110X	9 - 12	Secondary	1
Maritime 2	8404120X	9 - 12	Secondary	1
Maritime 3	8404130X	9 - 12	Secondary	1
<b>Marketing, Management &amp; Entrepreneurial Principles</b>		<b>9500500</b>		
Marketing Essentials	8827110X	9 - 12	Secondary	1
Marketing Applications	8827120X	9 - 12	Secondary	1
Marketing Management	8827130X	9 - 12	Secondary	1
<b>Medical Administrative Specialist</b>		<b>8212300</b>		
Digital Information Technology	8207310X	9 - 12	Secondary	1
Medical Office Technology 1	8212201X	9 - 12	Secondary	1
Medical Office Technology 2	8212202X	9 - 12	Secondary	1

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<b>Nursing Assistant</b>				
<b>Patient Care Assisting with A.A. Degree Courses</b>				
Introduction to Health Care	HSC 1000X	10 - 12	A.A.	3/5
Advanced Medical Terminology	HSC 1532X	10 - 12	A.A.	3/5
Health Science Anatomy & Physiology *	8417100X		Secondary	1
Basic Healthcare Worker	HSC 0003X	12	Voc. Cert.	3/5
Articulated Nursing Assistant	HCP 0621X	12	Voc. Cert.	3/5
Advanced Home Health Aide	HCP 0332X	12	Voc. Cert.	2/3
Patient Care Assistant	HCP 0020X	12	Voc. Cert.	3/5
Health Science Directed Study	8400100X	12	Secondary	.2
* The course Anatomy and Physiology (2000350) or Anatomy and Physiology Honors (2000360) may be substituted for the course Health Science Anatomy & Physiology (8417100)				
<b>Outboard Marine Service Technology 9504200</b>				
Outboard Marine Service 1	9504210X	9 - 12	Secondary	1
Outboard Marine Service 2	9504220X	9 - 12	Secondary	1
Outboard Marine Service 3	9504230X	9 - 12	Secondary	1
<b>Principles of Teaching 8909000</b>				
Introduction to the Teaching Profession	8909010X	9 - 12	Secondary	1
Human Growth and Development	8909020X	9 - 12	Secondary	1
Foundations of Curriculum and Instruction	8909030X	9 - 12	Secondary	1
<b>ROTC - Air Force</b>				
Aerospace Science 1	1800300X	9 - 12	Secondary	1
Aerospace Science 2	1800310X	9 - 12	Secondary	1
Aerospace Science 3	1800320X	9 - 12	Secondary	1
<b>ROTC - Army</b>				
Leadership Education and Training 1	1801300X	9 - 12	Secondary	1
Leadership Education and Training 2	1801310X	9 - 12	Secondary	1
Leadership Education and Training 3	1801320X	9 - 12	Secondary	1
<b>ROTC - Navy</b>				
Naval Science 1	1802300X	9 - 12	Secondary	1
Naval Science 2	1802310X	9 - 12	Secondary	1
Naval Science 3	1802320X	9 - 12	Secondary	1
<b>ROTC - Marine Corps</b>				
Leadership Education 1	1803300X	9 - 12	Secondary	1
Leadership Education 2	1803310X	9 - 12	Secondary	1
Leadership Education 3	1803320X	9 - 12	Secondary	1

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<b>Technical Design</b>		<b>8401000</b>		
Technical Design 1	8401010X	9 - 12	Secondary	1
Technical Design 2	8401120X	9 - 12	Secondary	1
Technical Design 3	8401030X	9 - 12	Secondary	1
<b>Television Production Technology</b>		<b>8201500</b>		
Television Production Technology 1	8201510X	9 - 12	Secondary	1
Television Production Technology 2	8201520X	9 - 12	Secondary	1
Television Production Technology 3	8201530X	9 - 12	Secondary	1
<b>Web Application Development &amp; Programming</b>		<b>9007500</b>		
Digital Information Technology	8207310X	9 - 12	Secondary	1
Foundations of Programming	9007210X	9 - 12	Secondary	1
Web Programming	9007510X	9 - 12	Secondary	1
<b>Web Development</b>		<b>9001100</b>		
Digital Information Technology	8207310X	9 - 12	Secondary	1
Foundations of Web Design	9001110X	9 - 12	Secondary	1
User Interface Design	9001120X	9 - 12	Secondary	1
Interactivity Essentials	9001160X	10 - 12	Secondary	1

<b>Courses in Multiple Programs</b>	
Accounting Applications I	8203310X
Digital Information Technology	8207310X
Health Science Anatomy & Physiology	8417100X
Health Science Foundations	8417110X
Drafting 1	8725010X
Drafting 2	8725020X
Drafting 3	8725030X

Highlighted courses are found in multiple programs
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