


<b>Career Cluster: Science, Technology, Engineering and Math (STEM)</b>				<b>CTE Program: Electricity 8727200</b>			
<b>Career Cluster Pathway: Engineering &amp; Technology Career Path</b>				<b>Industry Certification: NCCER010,038,039,040 Electrical Level 1-4</b>			
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>	
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)
<b>HIGH SCHOOL</b>	<ul style="list-style-type: none"> <li>Students are encouraged to use <a href="http://fchoices.org">fchoices.org</a> to explore careers and postsecondary options.</li> <li>Students are also encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.</li> <li>One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program</li> </ul>						
	<b>9<sup>th</sup></b>	English 1 or higher	Algebra 1 or higher	Earth Space Science or Agriscience Foundations	Elective: Intro to Information Tech (on-line)	Physical Education (1credit) (Not required for ACCEL Program)	
	<b>10<sup>th</sup></b>	English 2 or higher	Geometry or higher	Biology	World History	Practical Arts or Fine Arts course (1 credit)	
	<b>11<sup>th</sup></b>	English 3 or higher	Algebra II or higher	Chemistry	American History	Elective	Electricity 1 Other elective course appropriate for student's career and education plan.
	<b>12<sup>th</sup></b>	English 4 or higher	Pre-Calculus or Higher	Elective	American Gov't & Economics	Elective or Dual Enrollment	Electricity 2 Other elective course appropriate for student's career and education plan.
<b>POSTSECONDARY</b>	Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.						
	<b>TECHNICAL CENTER PROGRAM(S)</b>	<b>COMMUNITY or STATE COLLEGE PROGRAM(S)</b>				<b>UNIVERSITY PROGRAM(S)</b>	
		College of Central Florida: Engineering Technology, A.S.					
<b>CAREER</b>	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)						
		Electrician, Electrician's Helper					

Articulation and CTE Dual Enrollment Opportunities				
CREDIT	Secondary to Technical Center (PSAV)	Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded)		PSAV/PSV to AAS or AS/BS/BAS
		Secondary Courses/Certification	College of Central Florida	
		Digital Information Technology (8207310) Electricity 1 (872210) Electricity 2 (872220) Electricity 3 (872230)	OST1100 Introduction to Word (Elective 3 credits) ETI 1843 Motors & Controls (3 credits) ETS 1542 Introduction to PLC's (3 credits) EET 1084 Survey of Electronics (3 credits)	
<b>Career and Technical Student Association:</b>				
<b>Skills USA</b>				
<b>Internship/Work Experience Recommendations:</b>				
<b>Construction, Electrical Installers</b>				
Program of Study Graduation Requirements: <a href="http://www.fldoe.org/academics/graduation-requirements/index.shtml">http://www.fldoe.org/academics/graduation-requirements/index.shtml</a>				