



**Heating, Ventilation, & Air Conditioning (HVAC)**  
 Career and Technical Education  
*Your Future Starts Here – Unlock Your Potential!*  
 2023-24 SY



<b>Career Cluster:</b> Architecture & Construction		<b>CTE Program: Secondary:</b> <b>HVAC</b> (872300) Nassau Adult & Career Center (Bean Center) <b>Postsecondary:</b> Florida State College Jacksonville, Apprenticeships						
<b>Career Cluster Pathway:</b> Air Conditioning, Refrigeration & Heating		<b>Industry Certification: Secondary:</b> NCCER						
	<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> <b>FINE ARTS</b> (1 credit) <b>PHYSICAL EDUCATION</b> (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b> <b>RECOMMENDED ELECTIVES</b>		
<b>HIGH SCHOOL</b>	<ul style="list-style-type: none"> <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. The Bright Futures Gold Seal CAPE Scholars award requires at least 5 postsecondary credit hours through CAPE industry certifications. For further details, refer to the Bright Futures Student Handbook.</li> </ul>							
	<b>9<sup>th</sup></b>	English 1 or English 1 Honors	Algebra I (or Honors) or Geometry (or Honors)	Environmental Science or Biology (or Bio Honors)	AP Human Geography or Elective	HOPE – Health Opportunities through Physical Education	Elective	Building Construction Tech 1 8720310
	<b>10<sup>th</sup></b>	English 2 or English 2 Honors	Geometry or Algebra II (or Honors)	Biology, Chemistry, Physics, Anatomy (or Honors Level)	World History (or Honors or AP)	Fine or Practical Arts	Elective	Elective
	<b>11<sup>th</sup></b>	English 3 or English 3 Honors	Algebra II, Math for College Liberal Arts, Math for College Algebra, Pre-Calculus	Chemistry, Physics, Anatomy (or Honors Level)	US History or US History Honors or APUSH	Elective or World Language	Air Conditioning, Refrigeration & Heating Tech 1 -8713010 and 2 -8713020	Elective
	<b>12<sup>th</sup></b>	English 4 or English 4 Honors or AP Eng. Literature	Math for Data & Financial Literacy, Math for College Algebra, or AP Calculus	Marine Science, Earth/Space, Physics, AP Physics, AP Biology	American Government .5 + Economics .5 or AP Microeconomics and AP Government	Elective or World Language	Air Conditioning, Refrigeration, & Heating Tech 3 – 8713030 and 4-8713040	Elective
<b>POSTSECONDARY</b>	<b>Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.</b>							
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>		
	<b>Florida State College at Jacksonville:</b> HVAC/R Career Certificate C.C., Welding, Electrical and Building Construction  <b>Apprenticeship Training Programs,</b> Electrical Training Alliance of Jacksonville		<b>Florida State College at Jacksonville:</b> Building Construction Technology A.S.			<b>University of North Florida</b> College of Computing, Engineering, and Construction <b>University of Florida</b> – School of Construction		
<b>CAREER</b>	<b>Sample Career Specialties – Careers from the Targeted Occupations List are in bold.</b>							
	Skilled Trade Apprenticeships		<b>Building and Construction Worker, Electrician, HVAC Technician, Welder, Project Manager, Heavy Equipment, Engineer, Architect</b>					
<b>Career and Technical Student Association</b>								
Skills USA								