


<b>Career Cluster:</b> Engineering and Technology Education	<b>CTE Program:</b> Applied Robotics
<b>Career Cluster Pathway:</b> Engineering & Technology	<b>Industry Certifications:</b> Certified Solidworks Associate (CSWA) (SOLID001) / Autodesk Certified Associate – AutoCAD (ADESK016) / MSSC Certified Production Technician (CPT) (MSSCN001)

Students are encouraged to use flchoices.org to explore careers and the ePersonal Education Planner through FACTS.org to map out courses.

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

		16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
		ENGLISH 4 credits	MATH 4 credits	SCIENCE 3 credits, 2 with lab	SOCIAL STUDIES 3 credits	OTHER REQUIRED COURSES FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)
<b>SECONDARY</b>	9 <sup>th</sup>	Please see Graduation Checklist	Please see Graduation Checklist	Please see Graduation Checklist	Please see Graduation Checklist	Physical Education (1credit)	Foundations of Robotics	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10 <sup>th</sup>	Please see Graduation Checklist	Please see Graduation Checklist	Please see Graduation Checklist	Please see Graduation Checklist		Robotic Design Essentials	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11 <sup>th</sup>	Please see Graduation Checklist	Please see Graduation Checklist	Please see Graduation Checklist	Please see Graduation Checklist	Practical Arts or Fine Arts course (1 credit)	Robotic Systems	Other elective course appropriate for student's career and education plan.
	12 <sup>th</sup>	Please see Graduation Checklist	Please see Graduation Checklist	Please see Graduation Checklist	Please see Graduation Checklist		Robotic Applications Capstone	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 recommended.							
	TECHNICAL CENTER PROGRAM(S)			COMMUNITY COLLEGE PROGRAM(S)			UNIVERSITY PROGRAM(S)	
	Automation and Production Technology (J100100)			Electronics Engineering Technology (AS 1615030301) (6 college credits minimum received if student earns MSSCN001 credential) <b>OR</b>  Engineering Technology (AAS 0615000001) (15 college credits minimum received if student earns MSSCN001 credential)			Mechanical Engineering Electrical Engineering Robotic Engineering	

<b>CAREER</b>	<b>Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)</b>		
		Mechanical Engineering Technicians (17-3027.00) Electro-Mechanical Technicians (17-3024-00) Robotics Technicians (17-3024.01)	Mechanical Engineer Electrical Engineer Robotics Engineer
<b>CREDIT</b>	<b>Articulation and CTE Dual Enrollment Opportunities</b>		
	<b>Secondary to Technical Center (PSAV)</b> (Minimum # of clock hours awarded)	<b>Secondary to College Credit Certificate or Degree</b> (Minimum # of clock or credit hours awarded)	<b>PSAV/PSV to AAS or AS/BS/BAS</b> (Statewide and other local agreements may be included here)
		Students earning the MSSCN001 Industry Certification are guaranteed 15 credits in the Engineering Technology AS/AAS	
<b>Career and Technical Student Organization:</b>			
FL-Technical Student Association			
<b>Internship/Work Experience Recommendations:</b>			