

## Associate in Science Degree Pathway

Academic Pathway # 2380 Engineering Technology: Advanced Manufacturing

### Suggested Pathway to Graduation

Shown here is an **example** of a full time Academic Pathway to fulfill your AS requirements. This is the recommended sequence of courses whether a full time or part time schedule. Consult with your First Year Success Specialist to develop a personalized schedule to complete your course requirements. If you change your goals or program, you will need to develop a new pathway with your advisor.

Offered	Taken	Category	Order	Course #	Course Title	Credits	Options	StartSmart Activity
<b>Fall</b>								
FA,SP,SU		S	1	MAC1105	College Algebra	3	Y	SS1-Meet personally with first year advisor
FA,SP,SU		PC	2	ETI1720C	Industrial Safety	3	N	Set up schedule for personalized Pathway
FA,SP		S	3	PHY1020	Elementary Physics	3	N	SS2-Contact made with first year advisor
FA,SP,SU		PC/CC	4	CGS1100	Microcomputer Applications	3	N	SS3-Meet personally with first year advisor
FA,SP,SU		S	5	ENC1101	Freshman Composition Skills I	3	N	
<b>Spring</b>								
SP		PC	6	ETI1411	Manufacturing Processes I	3	N	SS4-Contact made with first year advisor
FA,SP		PC	7	EGN1111	Engineering Graphics	3	N	SS5-Meet personally with first year advisor
FA,SP		PC	8	ETM2401	Mechanical Devices and Systems	3	N	Review embedded Certificates for Pathway Electives if available
FA,SP		PC	9	EET1084	Survey of Electronics	3	N	Check out CF BAS programs for your continued education
FA,SP,SU		S	10	POS2041	American National Government	3	Y	Join college activity
<b>Summer</b>								
FA,SP,SU		E	11	MAN2021	Principles of Management	3	Y	Meet personally with your advisor to ensure proper progress
FA,SP,SU		PC	12	ETI1117	Introduction to Quality Control	3	N	Pre Grad Check
<b>Fall</b>								
FA,SP		PC	13	ETI1843	Motors and Controls	3	N	Visit Career Source or Job Placement Center
FA,SP		PC	14	ETS1542	Introduction to PLCs	3	N	Attend college activity
FA,SP		PC	15	ETS1700	Hydraulics and Pneumatics	3	N	
FA,SP,SU		PC	16	ETI1151	Instrument Techniques and Measurement	3	N	
FA,SP		E	17	MAN2582	Introduction to Project Management	3	Y	Apply to State College or University of Choice
<b>Spring</b>								
SP,SU		PC	18	ETS1535	Automation Process Control	3	N	Apply for Graduation 1st two weeks of last semester
SP,SU		PC	19	ETS1540	Industrial Applications Using PLCs and Robotics	3	N	Attend college activity
FA,SP,SU		S	20	HUM1020	Introduction to the Humanities	3	Y	<b>GRADUATE</b>

Inquire about scholarships and prereq loans.

### Category Legend

S = State  
I = Institution  
FL = Foreign Language  
\*\* = Gordon Rule  
# = C or Better required  
CI = Civics Initiative  
CC = Computer Competence  
E = Pathway Elective  
+ = Prerequisite(s) required  
^^ = Certificate courses embedded

***This recommended plan is not a binding agreement of any kind between the College of Central Florida and the student, but merely represents a potential curriculum which may be altered as appropriate to meet the student's academic objectives. Course availability is subject to change and all courses are not available every semester. Students should inquire each semester with their Advisor before registering to determine current requirements and possible changes to the suggested curriculum.***

**This Plan** - This academic pathway is designed to help you earn an Associate in Science degree. The courses within the pathway satisfy your General Education requirements and the Program core requirements in your chosen field to earn your degree.

**Academic Advising** - You can find your assigned advisor and schedule an appointment with them through the link on your MyCF page. All students will be assigned a first year success specialist upon entry to the College of Central Florida. StartSmart requires you to communicate with your first year success specialist five times during the first year. You will **develop a personalized schedule** to meet your goals and complete your course requirements. Once you have completed your first year (24 credits) you will be assigned a pathway advisor who will remain with you until graduation.

**Associate in Science Degree** - Associate in Science is a degree in the areas of science, technology, engineering and math (STEM) or in the area of career technical education. It prepares you for the workforce in a specific career field. Most programs are two years in length.

College of Central Florida offers equal access and opportunity in employment, admissions and educational activities. The college will not discriminate on the basis of race, color, ethnicity, religion, gender, pregnancy, age, marital status, national origin, genetic information or disability status in its employment practices or in the admission and treatment of students. Recognizing that sexual harassment constitutes discrimination on the basis of gender and violates this policy statement, the college will not tolerate such conduct. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Equity Officer, Ocala Campus, Ewers Century Center, Room 201C, 3001 S.W. College Road, 352-854-2322, ext. 1437, or [smithc@cf.edu](mailto:smithc@cf.edu).