

## 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 and refer to your degree audit regarding your specific requirements. If you change your goals or program, you will need to develop a new pathway.

Category	Order	Course #	Course Title	Credits
<b>Spring</b>				
S	1	MAC1105	College Algebra	3
CC	2	CGS1100	Microcomputer Applications	3
S	3	ENC1101	Freshman Composition Skills I	3
E	4	EGN1111	Engineering Graphics	3
S	5	PHY1020	General Physics	3
<b>Fall</b>				
E	6	ETM2401	Mechanical Devices and Systems	3
E	7	MAN2582	Introduction to Project Management	3
E	8	ETI1411	Manufacturing Process I	3
S	9	POS2041	American National Government	3
E	10	ETS1700	Hydraulics and Pneumatics	3
<b>Spring</b>				
E	11	ETI1117	Introduction to Quality Control	3
E	12	MAN2021	Principles of Management	3
E	13	EET1084	Survey of Electronics	3
S	14	HUM1020	Introduction to Humanities	3
E	15	ETS1542	Introduction to PLCs	3
<b>Fall</b>				
E	16	ETI1151	Instrument Techniques and Measurement	3
E	17	ETI1720C	Industrial Safety	3
E	18	ETS1540	Industrial App using PLCs and Robotics	3
E	19	ETS1535	Automation Process Control	3
E	20	ETI1843	Motors and Controls	3

### Category Legend

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

This document is an initiative of

**Inquire about scholarships and prereq loans.**

**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, suggested 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.

*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 First Year Success Specialist or Meta-Major Advisor before registering to determine current requirements and possible changes to the suggested curriculum.*

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