AEROSPACE TECHNOLOGY PROGRAM
AS DEGREE REQUIREMENTS

The Aerospace Technology program is a two-year Associate in Science degree program (64 credit hours) in a field of study that prepares graduates for entry-level positions as technicians primarily in the aerospace and aeronautics industries. Within the Aerospace field, graduates operate and repair systems associated launch vehicles, payloads, and ground equipment. Graduates of the program will also qualify for advanced technology jobs in many industries including aviation. The technical courses taught include courses in electrical, fluids power and mechanical/structural systems. In the electrical courses the students will learn basic soldering skills, wire wrapping, potting, crimping, troubleshooting and diagnosing electrical circuits. In the fluids course the students will learn to operate and test hydraulic/pneumatic systems. In the mechanical/structural part of the program participants will learn advanced skills allowing them to create a structural fabrication project per drawings and specifications, demonstrate knowledge of specialized tools and devices, accurately read blueprints, as well as using precision measuring and test equipment. Instruction is designed to qualify students for examinations for certification as an aerospace technician in various skill areas. Lectures are combined with lab work for an applied learning approach. Aerospace Technology courses are taught on the Cocoa campus with courses offered in the evening or during the day as a cohort group. A special application is required for this program. The online application can be found by logging into your My EFSC account. Select the ***Career & Technical / Trade Application*** under ***EFSC Student Applications***.

1st Semester		
AFRC 1100	Intro to the Aerospace Workplace	3 credits
PSC 1341	Physical Science	3 credits
ETIC 2851	Applied Mechanics	4 credits
MAC 1105	College Algebra (or higher) *	3 credits

**If the required math course has not been met then students should schedule appropriate math courses to meet the degree requirement*

Total: 13 credits

2nd Semester		
EETC 1005	Basic Electricity/Electronics	4 credits
ETIC 1830	Materials and Processes I	3 credits
ETIC 1853	Safety and Quality	3 credits
CGS 2100	Microcomputer Applications	3 credits

**If the required math course has not been met then students should schedule appropriate math courses to meet the degree requirement*

Total: 13 credits

General Education/Support Courses

These courses are offered every semester and on every campus or online/eLearning. This includes summer semesters

ENC 1101	Written Communications (Comm. I)	3 credits
SPC 2608	Oral Communications (Speech)	3 credits
--	Humanities/Cultural Arts Elective	3 credits
--	Social/Behavioral Science Elective	3 credits

Total: 12 credits

3rd Semester		
ETIC 1855	Structural Fabrication I	3 credits
EETC 2609	Electronic Fabrication and Fiber Optics	3 credits
ETIC 1850	Aerospace Systems	4 credits
ETIC 1832	Materials and Processes II	3 credits

**If the required math course has not been met then students should schedule appropriate math courses to meet the degree requirement*

Total: 13 credits

4th Semester		
ETIC 2856	Structural Fabrication II	3 credits
ETIC 2411	Technical Task Analysis	3 credits
ETMC 2318	Fluid Systems	3 credits
ETIC 1852	Tests and Measurements	4 credits

**If the required math course has not been met then students should schedule appropriate math courses to meet the degree requirement*

Total: 13 credits

For more information, please contact the program office at 321-433-5771