

# EDUCATION DEGREES:

## Avionics Technology Degree

### Path to an Avionics Technology Degree

Avionics technology deals with the study and mastered use of computers in aircraft and spacecraft systems and to gain an avionics technology degree one must really enjoy math and computers. This is not an easy field to enter because it does rely heavily on advanced math skills. Courses like algebra, calculus, and trigonometry are often required. Computers are a major part of the job, so those enrolling in this program must be comfortable working with computers constantly.

Students must be aware that an avionics technology degree requires a full four-year college education. The work can be very rigorous, but the wage scale is much higher starting out than in other careers. In the first year alone, it is typical for a course load to include courses in Advanced Math for Engineers, Aeronautical Design, Aeronautical Engineering, Digital Electronics, Electrical Engineering, Microprocessors, and Systems Design.

By the time the college program ends, students will have taken courses in Aerospace Applications, Aerospace Technology, Aircraft Engineering, Aircraft Maintenance, Avionics, Engineering Management, Computer Modules, Management Skills, Professional Development, and Public Speaking. These do not even include other necessary courses to gain an avionics technology degree. On top of the specialized course load, credits in Physical Education, English, Literature, History, and Science area also required.

For those who have an aptitude for math and science, a career in avionics is an excellent choice. Air traffic is steadily increasing and scientists are involved in ongoing research to find other living organisms in space. While demand for skilled workers increases, those holding an avionics technology degree will find that there is no limit to the number of jobs out there. As job offers come pouring in, those holding this specialized degree will discover just how easy it is to find a job they love at a salary that makes life extremely comfortable.

### Avionics Technology (Degree), Cochise College, AZ

#### MINIMUM COMPETENCIES

12.0 Reading score and a grade of 'C' or better in all ENG and MAT courses.

#### GENERAL EDUCATION REQUIREMENTS (18)

ENG 101 (3)

ENG 102 (3)

MAT 122 or above (3)

\*\*Arts, Humanities or Social & Behavioral Sciences (6)

CIS 116 or 120 (3)

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**CORE CURRICULUM (66)**

AVT 101 (3)  
AVT 104 (7)  
AVT 107 (5) \*  
AVT 112 (8)  
AVT 115 (7)  
AVT 218 (8)  
AVT 202 (8)  
AVT 205 (4)  
AVT 208 (4) \*  
AVT 220 (4)  
AVT 224 (4) \*  
AVT 228 (4) \*

**TOTAL REQUIREMENTS (84)**

**Links to more Aeronautical Certificate Programs click below:**

<http://www.cochise.edu/Academics/Departments/Aviation/Avionics/AvionicsTechnologyDegree/tabid/1305/Default.aspx>

**Texas State Technical College, Waco, TX**

<http://www.tstc.edu/programs/waco/avionics/aviassociatedeg>

**Valley College, San Bernardino, CA**

<http://www.valleycollege.edu/academic-career-programs/degrees-certificates/aeronautics/avionics-tech-as-cert.aspx>

**Links to more Information click below:**

**On Line**

[http://www.866mymajor.com/Avionics\\_Degree\\_z8\\_336\\_10.html](http://www.866mymajor.com/Avionics_Degree_z8_336_10.html)

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