



# Avionics Technology

## A Technical Certificate Program

### PROGRAM DESCRIPTION

The Avionics Technology program will provide the knowledge and practical experience to inspect, test, and repair avionics equipment and electronics, including radios, navigation systems, electrical wiring, flight control systems, and air traffic avoidance/awareness systems. This program will prepare a technician to work in the aviation/aerospace industry.

### PROGRAM ARTICULATION

The Avionics Technology certificate program will articulate into the Associate of Applied Science degree program in General Technology.

### APPLICATION PROCEDURE

A student desiring to pursue a certificate in must:

1. Submit the Northeast State Application for Admission to the Office of Admissions and Records.
2. Indicate Avionics Technology certificate as the desired major on the Northeast State application.
3. See a faculty advisor from the Avionics Technology program prior to registering for classes.

### TYPICAL PROGRAM OF STUDY

Course No.	Course Title	Credit
<u>SPRING</u>		
AVIT 1610	Avionics Fundamentals I	3
AVIT 1620	Avionics Fundamentals II	4
AVIT 1630	Avionics Fundamentals III	4
AVIT 1640	Avionics Fundamentals IV	4
<u>FALL</u>		
AVIT 1650	Avionics Fundamentals V	4
AVIT 1660	Avionics Fundamentals VI	4
AVIT 1670	Avionics Fundamentals VII	4
AVIT 1680	Avionics Fundamentals VIII	4
Total Credit Hours		31

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## TYPICAL JOB OPPORTUNITIES

Avionics Technicians  
Aircraft Maintenance and Repair Organizations  
Avionics Repair Shops

## PROGRAM COMPETENCIES

Graduate is competent to:

1. Install, test, and operate aircraft avionics.
2. Install aircraft wiring, connect electronics, troubleshoot malfunctions, and fabricate aircraft instrument panels.

## FOR FURTHER INFORMATION CONTACT:

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Northeast State Community College is part of the Tennessee Board of Regents system, Tennessee's largest higher education system, governing 40 post-secondary educational institutions with over 200 teaching locations. The TBR system includes 13 two-year colleges, 27 colleges of applied technology, and TN eCampus, providing programs to students across the state, country, and world.

Northeast State Community College does not discriminate on the basis of race, color, religion, creed, ethnic or national origin, sex, disability, age status as a protected veteran or any other class protected by Federal or State laws and regulations and by Tennessee Board of Regents policies with respect to employment, programs, and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Linda W. Calvert, Vice President for Inclusive Excellence and Sponsored Programs, AffAct@NortheastState.edu, P.O. Box 246, Blountville, TN 37617-0246, 423.323.0222.

Northeast State Community College's policy on nondiscrimination can be found at <https://apps.northeaststate.edu/ie/policymanual/pol.asp?p=254>.

Northeast State Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award the associate degree. Northeast State also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Northeast State Community College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website ([www.sacscoc.org](http://www.sacscoc.org)).