



NORTHEAST STATE

We're here to get you there

Division of Advanced Technologies

2425 Hwy. 75 • P.O. Box 246
Blountville, Tennessee 37617-0246
800.836.7822 (Admissions and Records)
Fax 423.323.0215
www.NortheastState.edu
2019-2020

Aviation Maintenance Technology

A Technical Certificate Program

PROGRAM DESCRIPTION

The Aviation Technology program provides students with the fundamental knowledge and skills of the aviation manufacturing, maintenance, and repair industry. Instruction in the program emphasizes skills associated with the manufacturing/repair and installation of aviation electronics, wiring harnesses, connectors, structures, mechanical systems. Students will develop core skills in sheet metal fabrication/repair and wiring harness/connector installation. Students will earn a NC3 Snap-On Certification for the 596 Multi-meter.

PROGRAM ARTICULATION

All courses in the Aviation Maintenance Technology certificate program will articulate into the Associate of Applied Science degree program in Aviation 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 Aviation Maintenance Technology certificate as the desired major on the Northeast State application form.
3. See a faculty advisor from the Aviation Maintenance Technology program prior to registering for classes.

GAINFUL EMPLOYMENT DISCLOSURE

As required by the U.S. Department of Education
[https://apps.northeaststate.edu/
GainfulEmployment/](https://apps.northeaststate.edu/GainfulEmployment/)

TYPICAL PROGRAM OF STUDY

Course No.	Course Title	Credit
<u>FALL</u>		
AVIT 1300	Introduction to Aviation	3
AVIT 1410	Aviation Systems-Mechanical	4
AVIT 1420	Aviation Systems-Electrical	4
AVIT 1310	Aviation Systems-Quality and Inspection	3
<u>SPRING</u>		
AVIT 1430	Aviation Systems-Maintenance	4
AVIT 1320	Aviation Systems-Structures	3
AVIT 1440	Aviation Systems-Electronics	4
AVIT 1450	Aviation Systems-Hydraulics	4
Total Credit Hours		29

TYPICAL JOB OPPORTUNITIES

Aviation maintenance or repair technician. The Aviation Maintenance certificate is designed to prepare individuals for employment in the aviation maintenance or aviation repair industry. The certificate will provide individuals knowledge and skills associated with repair and installation of aviation electronics, aircraft structures, and aircraft mechanical systems.

PROGRAM COMPETENCIES

Graduate is competent to:

1. Identify, install, and repair aircraft structural components.
2. Calculate and measure electrical parameters using test instruments and troubleshoot common electrical problems likely to be encountered in a typical aircraft system.
3. Install, repair, maintain, and troubleshoot hydraulic and mechanical systems.

FOR FURTHER INFORMATION CONTACT:

Richard Blevins
Department Head/Instructor
Aviation Technology
Telephone: 423.354.5179
rablevins@NortheastState.edu

or

Advanced Technologies Division
Telephone: 423.279.7639
kmtipton@NortheastState.edu

Northeast State Community College is part of the Tennessee Board of Regents system, the nation's sixth largest higher education system, governing 46 post-secondary educational institutions. The TBR system includes six universities, 13 two-year colleges and 27 technology centers, providing programs in 90 of Tennessee's 95 counties to more than 200,000 students.

Northeast State Community College does not discriminate against students, employees or applicants for admission or employment on the basis of race, color, religion, creed, ethnic national origin, sex, sexual orientation, gender identity/expression, disability, age, status as a covered veteran, genetic information or any other legally protected class with respect to all employment, programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Dr. Tim Harrison, Equity & Compliance Officer/Chief Advancement Officer, P.O. Box 246, Blountville, TN 37617-0246, 423.354.5296, complianceofficer@NortheastState.edu. Northeast State Community College's policy on nondiscrimination can be found at <http://cwis.northeaststate.edu/oie/policymanual/pol.asp?p=254>.

Northeast State is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award the associate degree. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Northeast State.