

AVIATION & AEROSPACE TECHNOLOGY

Year 1 - 1.0 Elective, 1.0 Science, and 1.0 Math Credit
Year 2 - 1.0 Elective, 1.0 Science, and 1.0 Math Credit

ABOUT THE PROGRAM

This program is a highly technical and multidisciplinary curriculum that teaches students not only how aircraft work, but how to troubleshoot, inspect and maintain those aircraft. Units include everything from math and physics, to more aviation specific subjects like corrosion control, aircraft hardware, flight surfaces, as well as Federal Aviation Administration rules and regulations. We blend classroom theory with plenty of hands-on practical experience in order to prepare our students for a future in aviation. Students learn about hand tools and how to properly use them, disassemble and reassemble piston and turbine engines, learn the basics of welding, and even how to run an aircraft on the ground.

CREDENTIALS, CERTIFICATIONS, WORK-BASED LEARNING AND LEADERSHIP OPPORTUNITIES

Certifications: Federal Aviation Administration Mechanic Certificate with Airframe & Powerplant (A&P) ratings.

WBL and leadership: Internships available at various local aviation companies during the summer months and/or post-secondary school year

College credits: High school juniors can begin taking college classes towards Vermont State University's (VTSU) Associates degree in Aviation Maintenance Technology.

PROGRAM OUTCOMES

Graduates from the BTC Aviation and Aerospace Technology program have the option of attending our postsecondary program at the Burlington airport to continue their training and obtain their Airframe and Powerplant Mechanic Certificate. Students who complete their A&P certification with BTC are credited with two-thirds of the requirements for the VTSU Associates Degree in Aviation Maintenance Tech and only need 20 more credits to complete their degree. Aircraft mechanics are currently in high demand all throughout the country with starting wages in the \$25-35/hr range.

OCCUPATIONS

Aircraft Mechanic A&P

RELATED OCCUPATIONS

Avionics Technician
Aviation Manufacturing
Aircraft Inspector
Aerospace Engineer
Aircraft Manufacturing Engineer
Air Traffic Management
Airport Management
Composite Fabricator
Electrician
Pilot
Research and Development
Technician
Federal Aviation Administration
aviation safety inspector



NOTES:

Equal Employment Opportunity and Non-Discrimination Statement

Applicants for admission and employment, students, parents, employees, sources of referral of applicants for admission and employment, and all unions or professional organizations holding collective bargaining or professional agreements with the Burlington School District are hereby notified that it is the intent of the Burlington Board of School Commissioners that the District will not discriminate against employees and/or applicants for employment, students or other designated beneficiaries of the statutes listed below on the basis of race, sex, gender (including but not limited to pregnancy and parental status), color, age, creed, religion, disability, handicap, ancestry, place of birth, national origin, marital status, political affiliation, sexual orientation, gender identity or gender expression in any of its employment and education practices, policies, procedures or decisions or in the operation of, access to, participation in, benefit of or admission to its programs, activities, services and facilities and that it will provide equal access to the Boy Scouts of America and other designated youth groups in compliance with and to the extent provided by the laws listed below.

Burlington Technical Center and Burlington School District offer additional services to students with limited English language skills, and those with disabilities, to ensure they have access to these programs. Individuals wishing to obtain information about the existence and location of accessible services and facilities should contact the 504 Coordinator (information below).

The following persons have been designated to handle inquiries regarding the non-discrimination policies:

Title IX Coordinator, Henri Sparks, Director of Equity and 504 Coordinator, Kellie Klason, director of Student Support Services