



## **AVIATION & AEROSPACE TECHNOLOGY**

*Year 1- 3 Elective Credits*

*Year 2 - 1 Elective Credits, 1.0 Science Credit 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 the basics like math and physics, to more aviation specific subjects like corrosion control, aircraft hardware, flight surfaces, as well as FAA 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 disassemble and reassemble piston and turbine engines, learn about hand tools and how to properly use them, learn to weld, and even how to run an aircraft on the ground.

### **CREDENTIALS, CERTIFICATIONS, WORK-BASED LEARNING AND LEADERSHIP OPPORTUNITIES**

Airframe & Powerplant (A&P); College credits available: Aviation related colleges may award (up to 67) college credits to students earning their Airframe & Powerplant License (A&P); National Technical Honor Society, SkillsUSA

### **PROGRAM OUTCOMES**

The graduates from the BTC Aviation and Aerospace Technology program have the option of attending our satellite facility at the Burlington airport to continue their training and obtain their Airframe and Powerplant Mechanic Certificate. High school graduates may earn \$45,000 + as an A&P. Our students find jobs in almost any part of the US. One recent graduate in Utah is earning \$58,000 per year, gets 4+ days off at a time, and travels for free on the airline he works for. He has only worked for this company for a year and a half. Some of our students have continued on to college and/or to flight school. Others have joined the armed services to become aircraft mechanics.

### **OCCUPATIONS**

- Aircraft Mechanic A&P
- Avionics Technician
- Aerospace Engineer
- Aviation Manufacturing
- Pilot
- Aircraft Manufacturing Engineer
- Electrician
- Research and Development Technician
- Composite Fabricator



## 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. Pursuant to the §504 of the Rehabilitation Act of 1973, the Board will take positive steps to employ and advance in employment qualified handicapped persons in programs receiving federal assistance under the Education of the handicapped Act (Individual with Disabilities Education Act) and make reasonable accommodations to the known physical or mental limitations of the qualified handicapped applicant or employee to the extent required by law. The superintendent of his or her designee shall prepare, and the board shall approve, guidance to applicants and employees regarding requests for reasonable accommodations, including provisions for undue hardship. The District's Title VI Coordinator, the Age Discrimination Act Coordinator and Americans with Disabilities Act Coordinator for employees and others is Ze Susan Anderson-Brown, Human Resources Director, Burlington School District (802) 864-2159; 1-800-253-0191 TDD; The District's Title IX Coordinator for employees, students, parents and other such relatives, friends, guest speakers or visitors is Ze Susan Anderson-Brown, Human Resources Director, Burlington School District (802) 864-2159; 1-800-253-0191 TDD. The District's Americans with Disabilities Act Coordinator for students and §504 Coordinator is Laura Nugent, Director of Student Support Services of the Burlington School District (802) 864-8456; 1-800-253-0191 TDD Burlington Technical Center - 52 Institute Road, Burlington, VT 05408 802-864-8426-phone 802-864-8521-fax [burlingtontech.org](http://burlingtontech.org)