



Transportation,
Distribution &
Logistics

2021-2022

Aviation Technology
Business and Industry Endorsement
Program of Study: Aviation Maintenance
Dubiski Career High School

| Grade | ELA | Math | Science | Social Studies | Required CTE Courses | Potential Certification Opportunities |
|-------|--|--|--|---|---|--|
| 9th | English 1 | Algebra 1 | Biology | World Geography or AP Human Geography | Introduction to Aerospace and Aviation (1 Credit) | <ul style="list-style-type: none"> OSHA General Cyber Safety Career Essentials: Customer Service Career Safe: Employability |
| 10th | English 2 | Geometry | Chemistry or OnRamps Chemistry | World History, AP World History, or Political Science | Aircraft Airframe Technology (2 Credits) | |
| 11th | English 3 | Algebra II | Physics, AP Physics, AP Chemistry, or OnRamps Physics | U.S. History, AP US History, or OnRamps US History | Aircraft Powerplant Technology (2 Credits) | <ul style="list-style-type: none"> Unmanned Aircraft Systems Aviation Mechanic Private Pilot Air Traffic Controller CPR |
| 12th | Business English, or Approved CTE 4 th year English | Financial Mathematics, or Approved CTE 4 th year Math | Principles of Technology, or Approved CTE 4 th year Science | Government _____ Economics | Practicum in Aerospace (2 Credits) | <ul style="list-style-type: none"> Aerospace/Aviation Aircraft Assembly Certification (AAA) (NCATT National Center for Aerospace and Transportation Technologies) |

| Student Organizations | Additional Required Electives |
|---|---|
| SkillsUSA Business Professionals of America DECA TSA | Fine Arts Health Personal Financial Literacy (.5 credits) Foreign Language Physical Education Business Information Management (1 Credit) |

| Dual Credit Offerings | Additional Recommended Electives |
|--|--|
| English 4 Government Statistics Computer Science U.S. History Economics Pre-Calculus | Accounting 1 (1 Credit) Entrepreneurship (1 Credit) Robotics (1 Credit) Professional Communications (1 Credit) Accounting 2 (1 Credit) AC/DC Electronics (1 Credit) Robotics & Automation 1 (1 Credit) Solid State Electronics (1 Credit) |

| Sample Career Opportunities | High School | On the Job Training | Certificate | Associates Degree | Bachelor's Degree | Advanced College Degree | Average Annual Salary | Possible Majors for this Pathway |
|--|-------------|---------------------|-------------|-------------------|-------------------|-------------------------|-----------------------|--|
| Aerospace Engineer | | | | | X | | \$116,500—\$166,620 | <ul style="list-style-type: none"> Aerospace Engineering Aerospace Operations Aircraft Engineering Avionics Operations and Technology UAS Operations Air Traffic Controller Flight School Pilot Mechanical Engineering Industrial Engineering |
| Aerospace Engineering and Operations Technicians | | X | X | X | X | | \$66,020—\$99,970 | |
| Aircraft Mechanics and Service Technicians | | X | X | X | X | | \$64,090—\$101,070 | |
| Avionics Equipment Technicians | | X | X | X | X | | \$65,700—\$97,150 | |
| Airline Pilot, Co-Pilots, Flight Engineers | X | X | X | X | X | | \$147,220—\$208,000 | |
| Commercial Pilots | X | X | X | X | X | | \$86,080—\$179,440 | |
| Air Traffic Controllers | | X | X | X | X | | \$122,990—\$176,320 | |
| Mechanical Engineers | | X | X | X | X | | \$88,430—\$138,020 | |
| Mechanical Engineering Technicians | | X | X | X | X | | \$56,980—\$88,640 | |
| Industrial Engineers | | X | X | X | X | | \$88,020—\$134,070 | |
| Industrial Engineering Technicians | | X | X | X | X | | \$56,550—\$87,790 | |

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