

Automotive Technology Program of Study



Career Cluster: Transportation, Distribution, and Logistics Career Cluster **Career Cluster Pathway:** Facility and Mobile Equipment Maintenance

This Program of Study is built for those interested in concentrating on a Career and Technical Education program of study leading to college/university study or immediate employment. Parents, teachers, and counselors are encouraged to modify it to fit the career and college planning of the individual. Please refer to the St. Johnsbury Academy course bulletin for classes that can be substituted for those listed here.

| EDUCATION LEVELS | GRADE | English/ Language Arts | Math | Science | Social Studies/ Sciences | Other Required Courses Other Electives Recommended Electives Learning Activities | Career & Technical Courses And/or Degree Major Courses | SAMPLE Occupations Relating To This Pathway |
|---|---|--|--------------------------------------|-----------------------------|--|---|--|--|
| <i>Interest Inventory Administered and Plan of Study Initiated for all Learners</i> | | | | | | | | |
| SECONDARY | 9 | <i>Freshman Humanities</i> | Algebraic Foundations or Algebra 1 | <i>Integrated Science 1</i> | <i>Freshman Humanities</i> | <i>Health Intro. to PE Computer Literacy</i> | <i>Career Exploration Introduction to Automotive Technology Introduction to Welding</i> | <ul style="list-style-type: none"> ➤ Aerospace Engineering and Operations Technician ➤ Aircraft Mechanic and service Technician ➤ Automotive Technician ➤ Avionics Technician ➤ Bus and Truck Mechanic ➤ Collision Repair Technician ➤ Diesel Engine Specialist ➤ Motorboat Mechanic ➤ Off-Road Equipment Technician ➤ Service Manager ➤ Service Writer\ ➤ Ship Mechanic and Repairer ➤ Industrial Equipment Mechanic |
| | 10 | <i>Studies in Literary Perspectives</i> | <i>Geometry or Algebra 2</i> | <i>Integrated Science 2</i> | World Civilizations | <i>Introduction to Computer Science Introduction to Electricity</i> | <i>Introduction to Automotive Technology Introduction to Welding Automotive Technology 1</i> | |
| | 11 | <i>Studies in Rhetoric and Composition or Technical Communications 1</i> | <i>Algebra 2 or Geometry</i> | <i>Integrated Science 3</i> | <i>US History</i> | <i>Exercise Science Business Environment Language SkillsUSA</i> | <i>Automotive Technology 1 Automotive Technology 2 Internship/Apprenticeship</i> | |
| | 12 | Technical Communications 2 (Senior Capstone) | <i>Algebra 3 or Trigonometry</i> | <i>Chemistry Elective</i> | <i>Elective</i> | <i>Entrepreneurship Language PE SkillsUSA</i> | <i>Automotive Technology 2 Apprenticeship-St. J Subaru Internship</i> | |
| POSTSECONDARY | Year 13 | College Writing or English Composition | <i>College Algebra or Statistics</i> | <i>Biology</i> | <i>US History or American Government</i> | SJA Graduation Requirements <i>Senior Capstone 1 English 4 Math 3 Science 3 Social Studies 3 Health 1 PE 1.5 Computer Literacy .5 Electives 9</i> | | |
| | Articulation Agreements: Northern Ohio Tech, Lincoln Tech | | | | | | | |