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| **Career Goal: The Aviation Maintenance Technology (AVMT) program at Southwestern Illinois College recognizes the key role of the Aviation Maintenance Technician in the aviation community. Our faculty is committed to providing students with the knowledge, skills and abilities required to meet Federal Aviation Administration (FAA) standards and to successfully fulfill the duties of an entry-level Airframe and Powerplant (A&P) Technician.**  *This Career Pathway Plan of Study should serve as a guide, along with other career planning materials, as learners continue on a career path.* | | | | | | | | | |
| **Education**  **Levels** | **Grade** | **English** | **Math** | **Science** | **Social Studies/ Sciences** | **Other Required Courses or Recommended Electives** | **Career & Technical Courses and/or  Degree Major  Courses** | **Employment Opportunities** | For further information about pursuing a career in Aviation Maintenance Technology, visit:  **SWIC.edu**  **College Credit Opportunities:**  Students should take advantage of dual-credit courses offered by SWIC.  **Certificates:**   * Airframe * Powerplant * Airframe & Powerplant * Avionics Installer   **Associate in Applied Science Degrees:**   * Aviation Maintenance Technology * Aviation Management   **Bachelor's Degrees:**   * Aviation Management SIUC * Aviation Flight SIUC * Aviation Maintenance Management UCM   **Service Learning Experiences:**   * Boy Scouts of America * Girl Scouts of the USA * Community Service Volunteer * Peer Tutoring or Mentoring * School-sponsored activities/organizations |
| **Secondary** | **9** | English I  Writing  Language Arts | Algebra I  or Pre-Algebra | Biology I  or Earth Science  or Physical Science | Geography  or World History | Driver's ED\*  or Health\*  or P.E. or Music/Art  or Foreign Language | Intro to Manufacturing  or Intro to Metals  or Intro to Technology  or Intro to Welding | **Career Options:**   * Aircraft Mechanics * Helicopter Mechanics * Aircraft Inspector * Avionics Installer * Federal Aviation Administration Inspector * Manufacturing Field Representative * Aviation Maintenance Training * Aircraft Manufacturing   **Career Learning**  **Experiences:**   * Internship * Job shadowing * Part-time job/ work experience   **Curricular Experiences:**   * Experimental Aircraft Assoc * EAA Young Eagles * Civil Air Patrol * AMT Society   **Extracurricular Learning**  **Experiences:**   * Student Government * Science Club * FFA |
| **10** | English II  Writing  Language Arts | Geometry  or Algebra I | Chemistry  or Biology I | U.S. Government\*  or Consumer Ed\* | Driver's ED\*  or Health\*  or P.E. or Music/Art  or Foreign Language | Intro to Manufacturing  or Intro to Metals  or Intro to Technology  or Intro to Welding |
| **11** | English III  Writing  Language Arts | Algebra II  or Geometry | Chemistry  or Biology I | U.S. History | Driver's ED\*  or Health\*  or P.E. or Music/Art  or Foreign Language  Aviation History | **11th & 12th Grade**  **Course Work**  \*\*Automotive Mechanics  \*\*Electrical/Electronics  \*\*Computer Aided Drafting and Design  Engineering Technology  \*\*HVAR  \*\*Welding  Interrelated Cooperative Education  \*\*Manufacturing Technology  \*\*Precision Metalworking  \*\*Precision Production |
| *Complete College Placement Testing March or April of Junior Year.* | | | | | |
| **12** | \*\*English IV  COMP/Research\*  \*\*Speech/Oral Communication\* | Trigonometry | Physics  or Earth Science  or Physical Science | Sociology\*  or \*\*Psychology\* | Driver's ED\*  or Health\*  or P.E.  or Music/Art  or Foreign Language |
| **Postsecondary** | *Successfully completed dual credit/enrollment courses do not have to be repeated at postsecondary level.* | | | | | | |
| Refer to: [**SWIC.edu**](http://www.swic.edu/) for Aviation Maintenance Technology program requirements | | | | | | |
| \*One Semester  \*\*Dual Credit/Dual Enrollment opportunities- students must meet college requirements to enroll. | | | | | | | | | Revised 10-24-17 |