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| The Aviation Management program provides the student with an entry level degree into a wide variety of aviation related careers and support roles that include logistics, flight operations support, manufacturing, maintenance coordinator, maintenance management, product representatives, corporate and airline support roles. Students have the option to continue their education with the B.S. degree in Aviation Management offered by SIU Carbondale. Aviation is a global industry and continues to expand to meet the needs of national defense, cargo and increased domestic and international travel.  *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 Management, visit:  **SWIC.edu**  **College Credit Opportunities:**  Students should take advantage of dual-credit courses offered by SWIC.  **Certificates:**   * Private Pilot Certificate   **Associate in Applied Science Degrees:**   * Aviation Management   **Bachelor's Degrees:**   * Aviation Management SIUC * Aircraft Maintenance Engineer at SLU   **Service Learning Experiences:**   * Civil Air Patrol * Experimental Aircraft Association * Illinois Pilots Association * FAA Sponsored Aviation Safety Seminars * Aircraft Owners and Pilots Association Sponsored Safety Seminars |
| **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 | **Career Options:**   * Airline Management. * Aircraft Load Control Specialist. * Aircraft Maintenance Work Load Coordinator. * Aircraft Maintenance Planner. * Manufacturing Representative. * Aircraft parts specialists. * Logistics   **Career Learning**  **Experiences:**   * Internships. * Job shadowing * Part-time job / work experience   **Curricular Experiences:**   * Experimental Aircraft Association * Women in Aviation   **Extracurricular Learning**  **Experiences:**   * Aircraft Owners and Pilots Association * FAA Sponsored Aviation Safety Seminars |
| **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 |
| **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  \*\*Drafting and Design  \*\*Electrical/Electronics  Engineering Technology  Interrelated Cooperative Education  \*\*Manufacturing Technology  \*\*Precision Metalworking  \*\*Precision Production Trades |
| *Complete College Placement Testing March or April of Junior Year.* | | | | | |
| **12** | \*\*English IV  COMP/Research\*  \*\*Speech/Oral Communication\* | Pre-Calculus  or Trigonometry | Biology I  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 Management program requirements | | | | | | |
| \*One Semester  \*\*Dual Credit/Dual Enrollment opportunities- students must meet college requirements to enroll. | | | | | | | | | Revised 7-5-19 |