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| This Career Pathway Plan of Study should serve as a guide, along with other career planning materials, as learners continue on a career path.  Courses listed within this plan are recommended coursework for the Computer Information Systems programs. | | | | | | | | | |
| **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 & Career Ladder** | For further information about pursuing a career in Computer Information Systems, visit:  **SWIC.edu**  College Credit Opportunities:  Students should take advantage of dual-credit courses offered by SWIC.  **Associate in Applied Science Degrees:**   * Computer Information Systems * CIS Tech Support/Help Desk * Database Development & Management * Software Development * Computer Management Information Systems   **Certificates:**   * Database Programming * C++ Programming * Visual Basic * C# Programming * JAVA Programming |
| **Secondary** | **9** | Honors English I  Honors Writing  Language Arts | Algebra I  or Pre-Algebra | Biology I  or Earth Science  or Physical Science | Geography  or World History | Driver's ED\*  Health\*  P.E. | **9th and 10th Grade Coursework**  \*\*Keyboarding \*\*Computer Concepts & Software Applications \*\*Electronic Spreadsheets | **Career Options:**   * Entry level programmer * Customer support specialist * Help Desk technician * Database programmer   **Career Learning Experiences:**   * Internship * Part-time job/work experience |
| **10** | Honors English II  Honors Writing  Language Arts  Speech or  Oral Communications | Geometry  or Algebra I | Chemistry  or Biology I | U.S. Government\*  or Consumer Ed\* | Driver's ED\*  Health\*  P.E.  Music  World Language |
| **11** | Honors English III  Honors Writing  Language Arts | Algebra II  or Geometry | Chemistry  or Biology I  or Physics | U.S. History | P.E.  Music  World Language | **11th and 12th Grade Coursework**  Additional computer programming and/or database courses;  Additional courses to develop critical thinking skills |
| *Complete College Placement Testing* | | | | | |
| **12** | \*\*English IV  COMP/Research\*  \*\*Speech/Oral  Communication\*  Honors English IV  Honors Writing  Professional English | Pre-Calculus  or Trigonometry  Honors Math | Chemistry II  or Anatomy/Phys  or \*\*Physics | Sociology\*  or \*\*Psychology\* | P.E.  Music  World 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 Computer Information Systems program requirements | | | | | | | |
| \*One Semester  \*\*Dual Credit/Dual Enrollment opportunities- students must meet college requirements to enroll. | | | | | | | | | Revised 7-5-19 |