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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 IHonors WritingLanguage Arts | Algebra Ior Pre-Algebra | Biology Ior Earth Scienceor Physical Science | Geographyor 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 IIHonors WritingLanguage ArtsSpeech or Oral Communications | Geometryor Algebra I | Chemistryor Biology I | U.S. Government\*or Consumer Ed\* | Driver's ED\*Health\*P.E. MusicWorld Language |
| **11** | Honors English IIIHonors WritingLanguage Arts | Algebra IIor Geometry | Chemistryor Biology I or Physics  | U.S. History | P.E.MusicWorld 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 IVCOMP/Research\*\*\*Speech/Oral Communication\*Honors English IVHonors WritingProfessional English | Pre-Calculusor Trigonometry Honors Math  | Chemistry IIor Anatomy/Physor \*\*Physics | Sociology\*or \*\*Psychology\* | P.E.MusicWorld 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 |