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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 within this plan are recommended coursework for the Cybersecurity and Networking program. |
| **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 Cybersecurity and Networking, visit:**SWIC.edu*** Take placement testing at SWIC in spring of junior year to help you select classes you may need senior year to prepare you to enter college.
* Information about Information Technology occupations can be found at http://www.bls.gov/ooh. Check with your counselor to explore course offerings available at your area career center.
* Completion of dual credit/enrollment courses if offered with the partnering community college but is not essential for program admission.
* Consider retaking ACT/SAT during junior year if score is too low.
* **Certificate Programs:**- Network Associate Certificate- Cybersecurity Specialist
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| **Secondary** | **9** | English IWritingLanguage 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 Intro to InformationTechnology Courses that develop critical thinking skills |  **Sample Careers:*** Assistant Network Manager
* Computer Repair Technician
* Computer Support Specialist
* Network Architect
* Network Installer
* Network Technician
* Server Administrator
* Systems Administrator
* WAN/LAN Manager

**Career Learning Experiences:*** Part-time job, work experience
* Internship
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| **10** | English IIWritingLanguage 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** | English IIIWritingLanguage Arts | Algebra IIor Geometry | Chemistryor Biology I or Physics | U.S. History | P.E.MusicWorld Language | **11th and 12th Grade Coursework** Computer programming or other computer courses  Computer networking, cybersecurity or cyber literacy Business courses (Accounting, Finance or Economics) |
| *Complete College Placement Testing* |
| **12** | \*\*English IVComp/Research\*\*\*Speech or Oral Communication | Pre-Calculusor Trigonometry | Chemistry IIor Anatomy/Physiologyor 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 Cybersecurity and Networking program requirements. |
| \*One Semester\*\*Dual Credit/Dual Enrollment opportunities- students must meet college requirements to enroll. |  Revised 7-5-19 |