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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 Network Design and Administration 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 Network Design and Administration, 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 <https://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 |
| **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\*  Health\*  P.E. | **9th and 10th Grade Coursework**  \*\*Keyboarding  \*\*Computer Concepts & Software Applications  \*\*Electronic  Spreadsheets | **Career Options:**   * 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 |
| **10** | English II  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** | English III  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**  Business courses (Accounting, Finance or Economics);  Additional computer courses;  Additional courses that develop critical thinking skills |
| *Complete College Placement Testing* | | | | | |
| **12** | \*\*English IV  Comp/Research\*  \*\*Speech or Oral Communication | Pre-Calculus  or Trigonometry | Chemistry II  or Anatomy/  Physiology  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 Network Design and Administration program requirements. | | | | | | | |
| \*One Semester  \*\*Dual Credit/Dual Enrollment opportunities- students must meet college requirements to enroll. | | | | | | | | | Revised 7-5-19 |