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| **Career Goal: The Welding Technology Program embraces the collective mission to fulfill the needs of the manufacturing industry by preparing graduates with the skills and experience necessary to enter a variety of occupations in the Welding field at an apprentice level set forth by industry.***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 in Precision Welding Technology** | For further information about pursuing a career in Welding Technology, visit:**SWIC.edu****College Credit Opportunities:** Students should take advantage of dual-credit courses offered by SWIC.**Certificates:*** Welding Technology Certificate
* Welding Technology Advanced Certificate
* Welding Technology Specialized Certificate
* Advanced Welding Manufacturing

**Associate in Applied Science Degrees:*** Welding Technology

**Bachelor's Degrees:*** Industrial Technology
* Technology Resource Management
* Welding

**Service Learning Experiences:*** Boy Scouts of America
* Girl Scouts of the USA
* Community Service Volunteer
* Peer Tutoring or Mentoring
* School-sponsored activities/organizations
 |
| **Secondary** | **9** | English IWritingLanguage Arts | Algebra Ior Pre-Algebra | Biology Ior Earth Scienceor Physical Science | Geographyor World History | Driver's ED\*or Health\*or P.E. or Music/Artor Foreign Language | Intro to Metalsor Intro to Technologyor Intro to Welding  | **Career Options:*** Welder
* Fitter
* Layout
* Equipment Sales

**Career Learning****Experiences:*** Apprenticeship
* Job shadowing
* Part-time job/ work experience

**Curricular Experiences:*** Skills USA

**Extracurricular Learning****Experiences:*** Student Government
* School Newspaper/Yearbook
* Science Club
* FFA
* School-sponsored activities/organizations
 |
| **10** | English IIWritingLanguage Arts | Geometryor Algebra I | Chemistryor Biology I | U.S. Government\*or Consumer Ed\* | Driver's ED\*or Health\*or P.E. or Music/Artor Foreign Language | Intro to Metalsor Intro to Technologyor Intro to Welding  |
| **11** | English IIIWritingLanguage Arts | Algebra IIor Geometry | Chemistryor Biology I | U.S. History | Driver's ED\*or Health\*or P.E. or Music/Artor Foreign Language | **11th & 12th Grade****Course Work**\*\*Welding |
| *Complete College Placement Testing March or April of Junior Year.* |
| **12** | \*\*English IVCOMP/Research\*\*\*Speech/Oral Communication\* | Pre-Calculusor Trigonometry  | Biology Ior Earth Scienceor Physical Science | Sociology\*or \*\*Psychology\* | Driver's ED\*or Health\*or P.E.or Music/Artor 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 Welding Technology program requirements |
| \*One Semester\*\*Dual Credit/Dual Enrollment opportunities- students must meet college requirements to enroll. |  Revised 7-5-19 |