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|                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                              |                                                                   | <br>Southwestern Illinois Partnership<br>for College and Career Success |                                                      |                                     | Pathway: Construction<br>Program of Study: Construction Sheetmetal       |                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                               |  |  |                  |       |         |      |         |                          |                                                 |                                                        |                                                     |                                                                                      |  |  |
| This Career Pathway Plan of Study should serve as a guide, along with other career planning materials, as learners continue on a career path.<br>Career Goal: The Construction Sheetmetal Program embraces the collective mission to fulfill the needs of the construction industry by preparing graduates with the skills and experience necessary to enter a variety of construction fields at an apprentice level set forth by industry.   |                                                                                                                                              |                                                                   |                                                                                                                                                          |                                                      |                                     |                                                                          |                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                  |       |         |      |         |                          |                                                 |                                                        |                                                     |                                                                                      |  |  |
| <table><tr><td>EDUCATION LEVELS</td><td>GRADE</td><td>English</td><td>Math</td><td>Science</td><td>Social Studies/ Sciences</td><td>Other Required Courses or Recommended Electives</td><td>Career &amp; Technical Courses and/or Degree Major Courses</td><td>Employment Opportunities in Construction Sheetmetal</td><td colspan="3">Access the Construction Sheetmetal Program at <a href="http://SWIC.edu">SWIC.edu</a></td></tr></table> |                                                                                                                                              |                                                                   |                                                                                                                                                          |                                                      |                                     |                                                                          |                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  | 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 Construction Sheetmetal | Access the Construction Sheetmetal Program at <a href="http://SWIC.edu">SWIC.edu</a> |  |  |
| 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 Construction Sheetmetal                                                                                                                                                                                                                                                          | Access the Construction Sheetmetal Program at <a href="http://SWIC.edu">SWIC.edu</a>                                                                                                                                                                                                                                                                                                                                                                             |  |  |                  |       |         |      |         |                          |                                                 |                                                        |                                                     |                                                                                      |  |  |
| Cluster Overview: Preparing high school students for employment in a career pathway in Construction Painting and Decorating.                                                                                                                                                                                                                                                                                                                  |                                                                                                                                              |                                                                   |                                                                                                                                                          |                                                      |                                     |                                                                          |                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                  |       |         |      |         |                          |                                                 |                                                        |                                                     |                                                                                      |  |  |
| SECONDARY                                                                                                                                                                                                                                                                                                                                                                                                                                     | 9                                                                                                                                            | English I<br>Writing<br>Language Arts                             | Algebra I<br>or Pre-Algebra                                                                                                                              | Biology I<br>or Earth Science<br>or Physical Science | Geography<br>or World History       | Driver's ED*<br>or Health*<br>or P.E.                                    | Intro to Manufacturing<br>or Intro to Metals<br>or Intro to Technology<br>or Intro to Welding<br>or Intro to Engineering                                                                                                                                                                                                                     | <b>Career Options:</b><br>Sheetmetal worker; glazier;<br>fabricator; heating, air<br>conditioning and<br>refrigeration installer;<br>metal and plastic machine<br>worker. Career Learning<br>Experiences:<br>• Apprenticeship<br>• Internship<br>• Job shadowing<br>• Part-time job<br>• Any work experience | For further information about the SWIC Construction Sheetmetal Program visit: <a href="http://SWIC.edu">SWIC.edu</a><br><br>• Take placement testing at SWIC in March/April of junior year.<br><br><b>Bachelor's Degrees:</b><br>To be developed<br><br>Service Learning Experiences:<br>• Boy Scouts of America<br>• Girl Scouts of the USA<br>• Community Service Volunteer<br>• Peer Tutoring or Mentoring<br>• Any school-sponsored activity or organization |  |  |                  |       |         |      |         |                          |                                                 |                                                        |                                                     |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10                                                                                                                                           | English II<br>Writing<br>Language Arts                            | Geometry<br>or Algebra I                                                                                                                                 | Chemistry<br>or Biology I                            | U.S. Government*<br>or Consumer Ed* | Driver's ED*<br>or Health*<br>or P.E.<br>or Music<br>or Foreign Language | Intro to Manufacturing<br>or Intro to Metals<br>or Intro to Technology<br>or Intro to Welding<br>or Intro to Engineering                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                  |       |         |      |         |                          |                                                 |                                                        |                                                     |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                               | 11                                                                                                                                           | English III<br>Writing<br>Language Arts                           | Algebra II<br>or Geometry                                                                                                                                | Chemistry<br>or Biology I                            | U.S. History                        | P.E.<br>or Music<br>or Foreign Language                                  | <b>11th &amp; 12th Grade Course Work</b><br>• **Automotive Mechanics<br>• **Construction Trades<br>• **Drafting and Design<br>• **Electrical/Electronics<br>• Engineering Technology<br>• Interrelated Cooperative Education<br>• **Manufacturing Technology<br>• **Precision Metalworking<br>• **Precision Production Trades<br>• **Welding |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                  |       |         |      |         |                          |                                                 |                                                        |                                                     |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                               | College Credit Opportunities in High School: Students should take advantage of dual-credit courses offered by Southwestern Illinois College. |                                                                   |                                                                                                                                                          |                                                      |                                     |                                                                          |                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                  |       |         |      |         |                          |                                                 |                                                        |                                                     |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12                                                                                                                                           | **English IV<br>COMP/Research*<br>**Speech/Oral<br>Communication* | Pre-Calculus<br>or Trigonometry                                                                                                                          | Biology I<br>or Earth Science<br>or Physical Science | Sociology*<br>or **Psychology*      | P.E.<br>or Music<br>or Foreign Language                                  |                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                  |       |         |      |         |                          |                                                 |                                                        |                                                     |                                                                                      |  |  |
| Successfully completed dual credit/enrollment courses do not have to be repeated at post secondary level.                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                              |                                                                   |                                                                                                                                                          |                                                      |                                     |                                                                          |                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                  |       |         |      |         |                          |                                                 |                                                        |                                                     |                                                                                      |  |  |
| POSTSECONDARY                                                                                                                                                                                                                                                                                                                                                                                                                                 | Refer to:<br><br><a href="http://swic.edu">swic.edu</a><br><br>for Construction Sheetmetal program requirements                              |                                                                   |                                                                                                                                                          |                                                      |                                     |                                                                          |                                                                                                                                                                                                                                                                                                                                              | Curricular Experiences:<br>• Skills USA<br>• Auto Clubs<br><br>Extracurricular Learning Experiences:<br>• Student Government<br>• School Newspaper<br>• School Yearbook<br>• Science Club<br>• FFA<br>• Any school-sponsored activity or organization                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                  |       |         |      |         |                          |                                                 |                                                        |                                                     |                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                              |                                                                   |                                                                                                                                                          |                                                      |                                     |                                                                          |                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                  |       |         |      |         |                          |                                                 |                                                        |                                                     |                                                                                      |  |  |

\* One Semester

\*\*Dual Credit/Dual Enrollment opportunities- students must meet college requirements to enroll.

2/23/2026