**Program of study for:**

**Production Machining & Fabrication**

Racine Unified School District
Case, Horlick and Park High Schools
Career Cluster: Manufacturing

This program of study plan should serve as a guide in the development of a secondary/post-secondary pathway. Courses listed within this plan are only recommended and are indicative of the courses needed to complete a pathway.

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**EDUCATION LEVEL**

<table>
<thead>
<tr>
<th>SECONDARY</th>
<th>GRADE</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
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<tbody>
<tr>
<td>EDUCATION LEVEL</td>
<td>GRADE</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>ENGLISH/LANGUAGE ARTS</td>
<td>Freshman English</td>
<td>Sophomore English</td>
<td>Junior English</td>
<td>English Elective and/or Speech</td>
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<tr>
<td>MATH</td>
<td>Algebra 1</td>
<td>Geometry</td>
<td>Algebra 2</td>
<td>Statistics or PreCalculus</td>
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<tr>
<td>SCIENCE</td>
<td>Lab Science</td>
<td>Biology</td>
<td>Chemistry (AS)</td>
<td>Physics (AS)</td>
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<tr>
<td>SOCIAL STUDIES/SCIENCES</td>
<td>US History</td>
<td>World History</td>
<td>American Government</td>
<td>Economics Sociology</td>
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<td>Machining/Fabrication Systems 3 (3771)</td>
<td>Machining/Fabrication Youth Apprenticeship OJT 1 (3776)</td>
<td>Manufacturing/Machining Youth Apprenticeship OJT 2 (3777)</td>
<td>Welding Boot Camp (D/TR)</td>
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<td>Careers Placement Assessments-Academic/Career Advisement Provided (ACT, SAT, etc.)</td>
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</tbody>
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**AP = Advanced Placement, D/TC = Dual/Transcribed Credit, YO = Youth Options, AS = Advanced Standing**

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**CAREER AND TECHNICAL EDUCATION COURSES, ELECTIVES, AND STUDENT ORGANIZATIONS RELATED TO THE PATHWAY**

- Skills USA
- FBLA
- DECA
- Work Based Learning Activities
- World Languages
- Computer Applications
- Webpage Design
- Intro to Business
- Higher Expectations & Career Portfolio

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Find More Detailed Career Pathway & Post Secondary Information at:

WICareerPathways.org/students

Post-Secondary Schools that have programs related to this career pathway:

- Gateway
- MATC
- Madison Area Technical College
- MSOE
- WCTC

For More Information See

www.racine.k12.wi.us/Teaching & Learning/Career & Technical Education
It is the policy of the Racine Unified School District, pursuant to s.118.13 Wis. Stats., and P19, that no person, on the basis of sex, race, color, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional or learning disability may be denied admission to any school in this District or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, extracurricular, public services, recreational, or other program or activity.

This policy also prohibits discrimination under related Federal Statutes, including Title VI of the Civil Rights Act of 1964 (race and national origin), Title IX of the Education Amendments of 1972 (sex), and section 504 of the Rehabilitation Act of 1973 (handicap).

If any person believes the Racine Unified District or any part of the school organization has inadequately applied the principals and/or regulations of s.118.13 Wis. Stats./P19 and Title VI (race, national origin), and/or Title IX (sex), and/or Section 504 (handicap) or in some way discriminates against pupils on the basis of sex, race, religion, color, national origin, ancestry, creed, pregnancy, mental, emotional or learning disability or handicap, she/he may bring forward a complaint to the

District Equity Coordinator
Racine Unified School District
3109 Mt. Pleasant Street, Racine, WI 53404