

Advanced Manufacturing



9

10

11

12

English

English 1

English 2

English 3

1.0 English Credits

Mathematics

Algebra 1

Geometry in Construction

Algebra 2

1.0 Math Elective

Social Science

World Geography
AP Human Geography

Topics (.5)

American History

Government (.5)

Science

Biology

Chemistry

Physics
AP Physics 1

AP Physics 1
AP Physics 2

Physical
Education

Health (.5)
Beginning Strength (.5)

Drivers Ed (.5)
Beginning Strength (.5)

1.0 PE Elective

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Career
and
Technical Education

Drafting 1
Drafting 2

Machine Shop
Advanced Drafting

Architectural Drawing
Technical Drawing

Quality Control
Consumer Education (.5)

Other
Recommended
Electives

World Language 1
Drawing
AVID 9

World Language 2
Drawing
AVID 10

World Language 3
Drawing
AVID 11

World Language 4
Drawing
AVID 12

Occupations Relating to this Cluster

Occupations Requiring Less than a Bachelor's Degree

- CNC Machine Operator
- Welder
- Industrial Machinery Mechanic
- Machinist
- Assembler / Fabricator
- Quality Control Inspector
- Maintenance Technician
- Production Technician
- Tool and Die Maker
- Industrial Engineering Technician
- CNC Programmer
- Packaging Machine Operator
- Sheet Metal Worker
- Forklift Operator

Occupations Requiring a Bachelor's Degree or Higher

- Manufacturing Engineer
- Industrial Engineer
- Mechanical Engineer
- Electrical Engineer
- Aerospace Engineer
- Materials Engineer
- Robotics Engineer
- Automation Engineer
- Quality Assurance Manager
- Operations Manager
- Supply Chain Manager
- Production Manager
- Industrial Designer
- Engineering Manager

Extracurricular Activities

Business Professionals of America
Drone Club
Math Club
National Honor Society
Robotics

Career Resources

[Business Professionals of America](#)
[Manufacturing Day](#)
[TMA Illinois Manufacturing Pathways](#)
[Illinois Pathways](#)
[College Board](#)