



School of Engineering

Program of Study: Automotive Collision
Endorsement: Business & Industry

| Grade | Language Arts | Math | Science | Social Studies | Required CTE Courses |
|------------------|--|------------------------|--------------------------------------|----------------------------------|---|
| 9 th | English 1 | Algebra 1 | Biology or Environmental Systems | World Geography or World History | Introduction to Transportation Technology |
| 10 th | English 2 | Geometry | Biology or Approved 2nd Year Science | U. S. History | Collision Repair |
| 11 th | English 3 | Approved 3rd Year Math | Approved 3rd Year Science | Government and Economics | Paint & Refinishing DC |
| 12 th | English 4 or Approved 4th Year English | Approved 4th Year Math | Approved 4th Year Science | | Practicum in Transportation Systems |

Career & Technical Student Organizations:

SkillsUSA and TSA



Transportation,
Distribution
& Logistics



Required Electives:

Fine Arts
Health
Speech
Foreign Language
Physical Education

Possible Certifications:

ASE Painting & Refinishing



School of Engineering

Program of Study: Automotive Technology
Endorsement: Business & Industry

| Grade | Language Arts | Math | Science | Social Studies | Required CTE Courses |
|------------------|--|------------------------|--------------------------------------|----------------------------------|---|
| 9 th | English 1 | Algebra 1 | Biology or Environmental Systems | World Geography or World History | Automotive Basics |
| 10 th | English 2 | Geometry | Biology or Approved 2nd Year Science | U. S. History | Auto Tech I: Maintenance & Light Repair |
| 11 th | English 3 | Approved 3rd Year Math | Approved 3rd Year Science | Government and Economics | Auto Tech II: Automotive Services |
| 12 th | English 4 or Approved 4th Year English | Approved 4th Year Math | Approved 4th Year Science | | Practicum in Transportation Systems |

Career & Technical Student Organizations:

SkillsUSA TSA



Transportation,
Distribution
& Logistics



Required Electives:

Fine Arts
Health
Speech
Foreign Language
Physical Education

Possible Certifications:

ASE Automotive Maintenance & Light Repair



School of Engineering

Program of Study: Engineering
Endorsement: STEM

| Grade | Language Arts | Math | Science | Social Studies | Required CTE Courses |
|------------------|--|------------------------|--------------------------------------|----------------------------------|--------------------------------------|
| 9 th | English 1 | Algebra 1 | Biology or Environmental Systems | World Geography or World History | Principles of Applied Engineering |
| 10 th | English 2 | Geometry | Biology or Approved 2nd Year Science | U. S. History | Engineering Design & Presentation I |
| 11 th | English 3 | Approved 3rd Year Math | Approved 3rd Year Science | Government Economics | Engineering Design & Presentation II |
| 12 th | English 4 or Approved 4th Year English | Approved 4th Year Math | Approved 4th Year Science | | Practicum in STEM Engineering |

Career & Technical Student Organizations:

BPA, SkillsUSA, TSA



Science,
Technology,
Engineering &
Mathematics



Required Electives:

Fine Arts
Health
Speech
Foreign Language
Physical Education

Possible Certifications:

Autodesk Certified Professional
Certified Engineering Technician
Certified SolidWorks Associate



School of Engineering

Program of Study: Logistics
Endorsement: Business & Industry

| Grade | Language Arts | Math | Science | Social Studies | Required CTE Courses |
|------------------|--|------------------------|--------------------------------------|----------------------------------|--|
| 9 th | English 1 | Algebra 1 | Biology or Environmental Systems | World Geography or World History | Principles of Distribution & Logistics |
| 10 th | English 2 | Geometry | Biology or Approved 2nd Year Science | U. S. History | Management of Transportation Systems |
| 11 th | English 3 | Approved 3rd Year Math | Approved 3rd Year Science | Government and Economics | Distribution & Logistics |
| 12 th | English 4 or Approved 4th Year English | Approved 4th Year Math | Approved 4th Year Science | | Practicum in Distribution & Logistics |

Career & Technical Student Organizations:

BPA and SkillsUSA



Transportation,
Distribution
& Logistics



Required Electives:

Fine Arts
Health
Speech
Foreign Language
Physical Education

Possible Certifications:

Manufacturing Skills Standard Council
Certified Logistics Technician (CLT)



School of Engineering

Program of Study: Robotics
Endorsement: STEM

| Grade | Language Arts | Math | Science | Social Studies | Required CTE Courses |
|------------------|--|------------------------|--------------------------------------|----------------------------------|-----------------------------------|
| 9 th | English 1 | Algebra 1 | Biology or Environmental Systems | World Geography or World History | Principles of Applied Engineering |
| 10 th | English 2 | Geometry | Biology or Approved 2nd Year Science | U. S. History | Robotics I |
| 11 th | English 3 | Approved 3rd Year Math | Approved 3rd Year Science | Government and Economics | Robotics II |
| 12 th | English 4 or Approved 4th Year English | Approved 4th Year Math | Approved 4th Year Science | | Practicum in Manufacturing |

Career & Technical Student Organizations:



Science,
Technology,
Engineering &
Mathematics



Required Electives:

- Fine Arts
- Health
- Speech
- Foreign Language
- Physical Education

Possible Certifications:

- FANUC Robot Operator I
- Mastercam Associate Level Cert
- NCCER Industrial Maintenance
- Mechanic, Level I
- National Institute for Metal Working Skills
- Maintenance (ITM) - Operations