

Judgements

Arts and Humanities Pathway

Business, Marketing and Information Systems Pathway

Health and Human Services Pathway

Engineering, Technology and Manufacturing Pathway

Plumber

Truck Driver

Solving

Engineer

Cable TV Installer

Engineering, Technology and Manufacturing Pathway

Machinist

Fixing

Dry Cleaning

Computers

Carpenter

Surveyor

Technician

Contractor

Cabinet Maker

Architecture



Providing lifelong learning that will utilize cooperation among the business sector, educators and the community for the creation of a successful workforce.

Do you have the ability to...

Apply and perform math problems quickly and accurately?

Understand and perform scientific experiments?

Work accurately and precisely?

Create or invent solutions to intricate problems?

Communicate clearly?

Understand and pay close attention to standards?

Entry Level Careers

On - The - Job Training High School Diploma

Automotive Helper
Cable TV System Installer
Construction Worker
Dry Cleaner
Energy Conservation Tech
Engineering Aide
Heavy Equipment Operator
Maintenance Laborer
Oil Field Laborer
Seismograph Helper
Surveyor Helper
Switcher/Operator
Truck Driver
Plumber's Helper
Oil Rig Hand

Skilled level Careers

Specialized Schools Community College

Automotive Tech.
Carpenter
Cement Mason
Certified Welder
Cabinet Maker
Computer Tech
Construction Tech
Craftsperson
Electronic Tech
Engineering Tech
Environmental Tech
Laser Technician
Machinist
Machine Tool Tech
Robotics Tech
Power Plant Oper.
Plumber
Surveyor Tech.
Welder/Cutter

Professional Level Careers

4 - Year College Degree Advanced Degree

Automotive Engineer
Aerospace Engineer
Architectural Engineer
Biomedical Engineer
Building Inspector
Chemical Engineer
Civil Engineer
Commercial Pilot
Computer Analyst
Contractor
Environmental Engineer
Electrical Engineer
Industrial Engineer
Manufacturing Engineer
Mechanical Engineer
Mining Engineer
Petroleum Engineer
Surveyor
Systems Analyst

Recommended Courses

Graduation Requirements

| Courses | Credits |
|-----------------------|----------------|
| English..... | 4 |
| English | |
| Enriched English | |
| Literature | |
| Senior English | |
| Senior Speech | |
| College or AP English | |
| Math..... | 3 |
| Science..... | 3 |
| Social Studies..... | 3 |
| World Cultures | |
| World History | |
| U.S. History | |
| College U.S. History | |
| Government | |
| Economics | |
| PE / Health | 2 |
| Electives | <u>12</u> |
| Total: | 27 |

Suggested Electives

| | |
|-------------------------------|--------------------------|
| Accounting I, II | Engineering D and D |
| Ag. Fabrication | Foreign Language |
| Ag. Mechanics | Machine Technology I, II |
| Ag. Education IV | Math, Discrete |
| Auto Tech I-III | Mentorship |
| CADD | Physics, AP |
| Computer Integrated Mfg. | Physics |
| Computer Science | Small Engine Technology |
| Computer Science Principles | Welding, Introduction to |
| Construction Technology | Welding I, II |
| Construction Fabrication | Woods Fabrication |
| Engineering, Principles of | |
| Engineering Design, Intro. to | |

Related Activities

You can enhance your education with experience outside the classroom. A part – time job and volunteer work can provide experience in your interest area. Hobbies, sports, church, and club activities provide exploration into a variety of activities and lessons in cooperation with others. Any activity that helps you demonstrate that you are motivated, responsible, and dependable will be important to you when applying for a job, scholarships or college admission.

Extracurricular Activities

| | |
|------------------------|------------------------|
| Academic Competition | National Honor Society |
| Athletics | Journalism |
| Auto Tech Competition | Math Competitions |
| Boys' and Girls' State | Mentorship |
| Chess Club | Music |
| Computer Clubs | Odyssey of the Mind |
| Debate/Forensics | Science Olympiad |
| FCCLA | Speech/Debate |
| FBLA | Welding Competitions |
| FFA | Skills USA |
| DECA | Student Counsel |

Community Activities

| | |
|----------------------|----------------------|
| 4-H | International Club |
| Boy/Girl Scouts | Part-time Work |
| Church Organizations | Rodeo Club |
| Civil Air Patrol | Volunteer Fire Dept. |
| Congressional Award | Volunteering |
| Hospital Volunteers | Search and Rescue |
| Humane Society | |

United States Department of Education has identified Sixteen Career Clusters. The Engineering, Technology and Manufacturing Pathway Include:

- Agriculture, Food and Natural Resources
- Architecture and Construction
- Manufacturing
- Science, Technology, Engineering, and Mathematics
- Transportation, Distribution, and Logistics

Articulated programs available with Gillette/Sheridan College:

- Agriculture
- Machine Tool Technology
- Diesel Technology
- Welding
- Project Lead the Way/Pre-Engineering

