

Judgements

Arts and
Humanities
Pathway

Business, Marketing
and Information
Systems
Pathway

Health and
Human Services
Pathway

Truck Driver

Plumber

Solving

Engineer

Engineering,
Technology and
Manufacturing
Pathway

Cable TV Installer

Machinist

Fixing

Dry Cleaning

Computers

Carpenter

Surveyor

Technician

Contractor

Cabinet Maker

Architecture



Provide 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
9th English	
World Lit.	
American Lit.	
Senior English	
College or AP English	
Math.....	3
Science.....	3
Social Studies.....	3
World Cultures	
World History	
American History	
Gov. / Econ.	
College Gov. / Econ.	
PE / Health	2
Electives	<u>13</u>
Total:	28

Suggested Electives

Accounting I, II Ag.	Foreign Language
Competition Ag.	Intro. To Eng. Design
Fabrication I, II Ag.	Machine Tech I, II
Mechanics I, II Ag.	Math, Discrete
Science IV, V AP	Electronics, Digital
Physics	Mentorship I, II, III
Cadd I, II, III Auto	Problem Solving
Tech I-IV Business	Principles of Engineer
Law Computer	Physics I, II, III
Integrated Computer	Welding I, II
Tech I-III	Welding, College
Construction Tech.	Woods Fabrication
Computer Skills I, II	

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

