

ENGINEERING, MANUFACTURING & TECHNOLOGY

CAREER FIELD



Are you accurate in your work? • Do you like problem solving?

Do you like science and math? • Do you like to design and create things?

Do like detailed work? • Do you like to work with your hands?

ENGINEERING, MANUFACTURING & TECHNOLOGY

DESCRIPTION OF CAREER FIELD

There are a multitude of careers in the Engineering, Manufacturing and Technology Field. They include careers in transportation, distribution, and logistics; architecture and construction; manufacturing; and science, technology, engineering, and mathematics. Individuals need problem solving, accuracy, patience, time management, and good math skills for many of the careers in this field.

CAREERS

- Aerospace Engineer
- Appliance Repair Technician
- Auto Body Worker
- Bus Driver
- Heavy equipment operator
- Line Installer and Repairer
- Pilot
- Sheet Metal Worker
- Truck Mechanic
- Welder

CAREERS IN DEMAND WITH ANNUAL MEDIAN SALARIES

Electrical Engineer	\$ 76,856
Chemical Engineer	\$ 74,648
Civil Engineer	\$ 70,716
Architect	\$ 65,919
Plumber, Pipe Fitters, and Steamfitters	\$ 65,602
Heating & Cooling Systems Mechanic	\$ 50,031
Machinist	\$ 47,108
Carpenter	\$ 46,686
Truck Driver	\$ 41,278
Automotive Technician	\$ 37,962

PATHWAYS

- Construction
- Engineering and Technology
- Health, Safety, and Environmental
- Logistics and Inventory Control
- Maintenance and Operations
- Production
- Sales and Services
- Transportation Operations
- Warehousing and Distribution

RECOMMENDED SAINT PAUL HIGH SCHOOL COURSE ELECTIVES

(See the school counselor for availability)

Algebra
 Architectural Drafting
 Automotive Technology
 Auto Certification (NATEF)
 Biochemistry
 Calculus
 Chemistry
 Digital Electronics
 Engineering Drafting
 Environmental Chemistry
 Geometry
 Introduction to Engineering Design
 Physics
 Probability and Statistics
 Principles of Engineering
 Trigonometry
 Woodworking
 World Languages

Saint Paul College

(Less than 2-Year Diplomas and Certificates)

Appliance Field Service Technician	Pipefitting Construction
Auto Body Repair	Pipefitting
Auto Service Technician	Certified Pipe Welding
Cabinetmaking	Plumber
Carpentry	Remote Sensing Advance Technology
Construction Electricity	Sheet Metal
Electrical Maintenance	Truck Technician
Electronic Technology	Welding
Painting and Decorating	Welding Fabrication
	Welding Metal Fabrication

Saint Paul College

(2-Year Degree Programs)

Auto Body
 Engineering Technology
 Construction Supervisor
 Chemical Laboratory Technician
 Electronic Technology
 Electronic Nano Technology

For information on
 Saint Paul College and their available programs
 visit www.saintpaul.edu

For information on
 local colleges and universities
 visit www.mnscu.edu

For information on
 the University of Minnesota
 visit www.umn.edu



Saint Paul College

A Community & Technical College

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For more information about

CTE programs

(Career & Technical Education)

www.cte.spps.org



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