**Chemical Engineering**

Process design, production engineering, research and development, safety, marketing/technical sales, environmental and waste management. Jobs can be in smaller laboratory settings up to large scale production plants.

- Median Pay MN-$91,490 (2013)
- Processing/Production -30%
- Research and Development- 25%
- Sales/Marketing- 7%
- Education- 4%
- Other- 13%
- Females in Chemical Engineering- 15.7% (2011)

**Mechanical Engineering**

Research, develop, design, manufacture, and test tools, engines, machines, and other mechanical devices. Power-producing machines, power-using machines, machine tools, material handling systems, elevators/escalators, industrial production equipment, robots, Computer Aided Design (CAD), Computer Aided Manufacturing (CAM). Half of available jobs are typically in manufacturing-machinery, transportation and electrical equipment, instruments, and fabricated metal products.

- Median Pay ND-$76,400 (2013)
- Median Pay MN-$82,030 (2013)
- Females in Mechanical Engineering- 6.3% (2011)

**Civil Engineering**

Perform engineering duties in planning, designing, and overseeing construction and maintenance of building structures and facilities, such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation, pipelines, power plants, and water/sewage systems. Civil engineering can include architectural, structural, traffic, ocean, and geo-technical engineers.

- Median Pay ND- $70,680 (2013)
- Median Pay MN- $80,430 (2013)
- Females in Civil Engineering- 12.6% (2011)

**Electrical Engineering**

Research, design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use. EE’s can be specialized in the following areas: Biomedical, Communication/Signal Processing, Computer, Control, Electromagnetics, Electronics/Microelectronics, Power Systems, Optical, and many others.

- Median Pay ND- $81,250 (2013)
- Median Pay MN-$89,250 (2013)
- Females in Electrical Engineering- 8.8% (2011)

If you have any additional questions, feel free to ask!

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