**Introduction**

Engineering offers a wide range of opportunities. The major functions of all branches of engineering include research, development, design, construction, production, operation, and management. There are a variety of areas within engineering: Aerospace Engineering, Architectural Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Mechanical Engineering, Nuclear, and Petroleum Engineering.

**What Can I Do With This Degree?**

- Aerospace
- Biosystems Engineering
- Biomedical
- Chemical
- Civil
- Electrical/Computer
- Industrial
- Materials Science and Engineering
- Mechanical
- Environmental
- Nuclear
- Engineering Science and Mechanics

**Potential Occupations**

- Environmental Engineer
- Pollution Control Engineer
- Wastewater Engineer
- Ecologist
- Ecosystem Restoration Specialist
- Air/Water Quality Specialist
- Nuclear Plant Technical Advisor
- Engineering Technicians
- Automotive Engineer
- Tool Designer Apprentice
- Mechanical Design Engineer
- Airport Engineer
- Hydraulic Engineer
- Aeronautical Test Engineer
- Equipment Inspector
- Standards Engineer
- Drafter
- Mining Engineer

**Potential Employers**

- Business
- Federal, State and Local Government
- Aircraft, Missile and Space Industries
- Communication Equipment Manufacturers
- Technological Agricultural Industries
- Quality Control
- International Organizations
- Hospitals and Healthcare Facilities
- Chemical Industries
- Manufacturing Plants
- Oil Companies
- Railroads
- Public Utilities
- Transportation Industries
- Electronics Industry
- Construction Firms
- Defense Manufacturers
- Testing Laboratories
- Military Services

**Employers look for these desirable qualities:**

- Intellectual curiosity and technical aptitude
- Ability to sort data, solve problems and be logical thinkers
- Excellent oral and written skills, including technical report writing and presentation skills
- Computer expertise within field
- Basic understanding of economic and environmental context in which engineering is practiced.

**For More Information:**

CNM—School of Mathematics, Science and Engineering
Main Campus, MS 563
224-3561

CNM—Career Resource Center
Main Campus, Student Services Building, Room SC203
224-4344

American Association of Engineering Societies: www.aaes.org

Information from University of Northern Colorado
and http://www.careers.siue.edu/majors/majors/default.html