Engineering

Students who decide on an engineering major will find that they've picked one of the most expansive and most current disciplines to explore. Our society needs engineers who can lead in an increasingly competitive, fully-integrated, world economy. Engineering today needs to be understood, not as merely providing workers with valuable technical training, but as the discipline that brings a deep understanding of physical principles, material behavior, mathematical modeling, and engineering practices to the solution of current problems that challenge our society. Moreover, these contributions must be made with full involvement in the economic, environmental, political, and ethical implications.

Innovation in science and technology has been the dominant source of growth in the U.S. economy for decades, transforming scientific know-how into new products and processes with tremendous societal impact. Today's radically new and emerging technologies have the potential to create entirely new industries and to render established ones obsolete. The Fort Lewis College engineering curriculum is guided by these evolving dynamics and emphasizes broad exposure to engineering fundamentals coupled with a strong background in the sciences, mathematics, social sciences, and the humanities that will prepare students to meet these challenges.

Some career possibilities for Engineering majors:

Civil Engineer
Mechanical Engineer
Electrical Engineer
Design Engineer
Aerospace Engineer
Industrial Engineer
Engineering Physicist
Project Engineer
Software Engineer
Consultant
Professor
Test Engineer
Researcher
Geotechnical Engineer
Petroleum Engineer
Systems Engineer
Engineering Manager
Materials Engineer
Manufacturing Engineer
Transportation Engineer
Wastewater Engineer
Agricultural Engineer
Architectural Engineer
City Engineer
Environmental Engineer
Computer Engineer
Chemical Engineer

Possible employers of Engineering majors:

Automotive industry
Software firms
Energy industry
Petroleum industry
Engineering firms
Mining industry
NASA
Aerospace industry
High Technology firms
Chemical industry
Medical industry
Manufacturing firms
State and local governments
Federal government
Tribal government
National laboratories
Pharmaceutical firms
Telecommunications industry
Equipment manufacturers
Construction industry
R&D laboratories
Colleges and Universities
Architectural firms
Environmental firms
Defense industry
Utilities
Food and Beverage industry

http://online.onetcenter.org

American Academy of Environmental Engineers
130 Holiday Court, Suite 100
Annapolis, MD 21401
www.aaee.net

American Society of Civil Engineers
1801 Alexander Bell Dr
Reston, VA 20191
www.asce.org

Institute of Industrial Engineers
3577 Parkway Ln, Ste 200
Norcross, GA 30092
www.iienet2.org

http://scidiv.bcc.ctc.edu/physics/careers.html