



What Can I Do with a Major in... Engineering

Possible Career Options

(some career areas require advanced education)

Acoustical Engineer
Aerospace Engineer
Aeronautical Engineer
Agricultural Engineer
Astronaut
Automotive Engineer
Biomedical Engineer
Ceramic Engineer
Chemical Engineer
Civil Engineer
Computer Engineer
Consulting Engineer
Control Engineer
Electrical Engineer
Engineering Educator
Engineering Technician
Environmental Engineer
Field Service Engineer
Fire Protection Engineer
Geological Engineer
Industrial Engineer
Industrial Designer
Manufacturing Engineer
Materials Engineer
Mechanical Drafter
Mechanical Engineer
Metallurgical Engineer
Naval Engineer
Nuclear Engineer
Operating Engineer
Petroleum Engineer
Plastics Engineer
Physicist
Process Engineer
Research Engineer
Radio Engineer
Safety Engineer
Surveyor
Systems Analyst
Textile Engineer

Leadership/Management Skills

- Applying data
- Identifying priorities and parameters
- Analyzing

Communication/Writing Skills

- Writing factual material clearly and concisely
- Summarizing
- Understand technical/mechanical terms

Research/Analytical Skills

- Manipulating information using expertise in mathematics
- Applying appropriate methods to test the validity of data
- Using numbers as reasoning tools
- Designing and experiment, plan or model that systematically defines a problem

Artistic/Creative Skills

- Designing and or using audio-visual aids

Additional Skills

- Using tools to assemble
- Using computers
- Tend to be more analytical thinking

Print and Web Resources

OCS Books

Careers in Engineering

Great Jobs for Engineering Majors

Is There an Engineer Inside of You?

Job Opportunities in Engineering and Computer Science

Stuff You Don't Learn in Engineering School

Online Career Resources

Career Information

www.careercornerstone.org/engtech/engtech.htm

www.careercornerstone.org/engineering/engineering.htm

Occupational Outlook Handbook

www.stats.bls.gov/oco/ocos027.htm

Internship Electronic Resources

After College

www.aftercollege.com

Idealist and Action Without Borders

www.idealist.org

Local Internships

www.hope.edu/knowhope/internships/index.cgi

Rising Star Internships

www.rsinternships.com

Employment Opportunity Electronic Resources

Engineer Jobs

www.engineeringjobs.net

Engineering Jobs and Resume Database

www.engineermax.com

Just Engineering Jobs

www.justengineeringjobs.com

The Engineer Job Search Engine

www.engineer.net

More resource links are available at the Office of Career Services website:

www.hope.edu/student/career

Professional Associations

Acoustical Society of America

www.asa.aip.org

American Association for the Advancement of Science

www.aaas.org

American Council of Engineering Companies

www.acec.org

American Institute of Chemical Engineers

www.iaiche.org

American Society for Engineering Education

www.asee.org

American Society of Civil Engineers

www.asce.org

American Society of Mechanical Engineers

www.asme.org

National Action Council for Minorities in Engineering

www.nacme.org

National Society of Professional Engineers

www.nspe.org

Society for Industrial and Applied Mathematics

www.siam.org

Society of Women Engineers

www.swe.org

Hope Graduates in the Engineering World

Advanced Research	ExxonMobil
Aerospace Engineer	NASA Johnson Space Center
Aerospace Engineer	Smiths Industries Aerospace
Airplane Safety Engineer	Boeing Company
Analytical Chemist.....	Asarco
Application Development Engineer	GE Medical Systems
Associate Engineering Consultant	Eli Lilly and Company
Associate Technology Principal	Kraft General Foods Foundation
Chemical Engineer	NASA
Chemical Engineer	ExxonMobil
Chief Engineer	The Boeing Company
Director of Operations	Ferro Pfanstiehl Labs
Electrical Engineer	RFMicroteck
Embedded Software Engineer.....	Lockheed Martin Corporation
Engineer.....	Consumers Energy
Engineer.....	Gentex Corporation
Engineer.....	U.S. Government
Engineer.....	Apple Computer
Forensic Scientist.....	Michigan State Police
Manufacturing Engineer.....	3M
Mechanical Engineer.....	Kodak
Mechanical Engineer.....	Guidant
Mechanical Engineer—Powertrain Operations	Ford Motor Company
Mechanical Engineer.....	Motorola, Inc.
Petroleum Engineer	American Petrofina, Inc.
Planning Engineer	Wayne/Oakland County Road Commission
Process Engineer	Polaris Industries
Product Analyst	Johnson Controls
Product Development Engineer	Magna Donnelly
Quality Control Technician.....	Sun Chemical
Reliability Engineer	Lockheed Martin Corporation
Research, Process Engineering.....	Elan Nutrition
Senior Applications Engineer	Steelcase, Inc.
Senior Process Engineer.....	Intel Corporation
Senior Project Engineer.....	General Motors