



Engineering

This sheet has sample occupations, work settings, employers, and career development activities associated with this major. Some of these options may require additional training and career planning. You are not limited to these options when choosing a possible career path.

Sample Occupations

Chemical*/Biomedical*

Absorption Engineer
Biochemical Engineer
Biomedical Engineer
Biotechnologist
Chemical Design Engineer
Chemical Engineer
Chemical Technician
Petroleum Engineer
Polymer Engineer

Civil*

Bridge Engineer
City Planner
Construction Inspector
Civil Engineer
Forest Engineer
Geotechnical Engineer
Hydrological Engineer
Structural Engineer
Transportation Engineer
Urban Planning Engineer
Waterworks Coordinator

Electrical*

Applications Engineer
Computer Engineer
Controls Engineer
Electrical Engineer
Fiberoptics Engineer
Illuminating Engineer
Robotics Engineer
Software Engineer

Environmental*

Agricultural Engineer
Bioengineer
Environmental Engineer
Forest Engineer
Pollution Control Engineer
Sanitary Engineer
Water Quality Engineer

Industrial*

Configuration Management Analyst
Ergonomist
Fire Protection Engineer

Industrial Engineer
Human Factors Engineer
Liaison Engineer
Manufacturing Engineer
Packaging Engineer
Project Planner
Safety Engineer
Quality Control Engineer

Mechanical*

Aerospace Engineer
Automotive Engineer
Ceramic Engineer
Control Engineer
Corporate Applications Engineer
Design Engineer
Energy Engineer
Manufacturing Engineer
Materials Engineer
Mechanical Design Engineer
Material and Metallurgical Engineer
Mechanical Designs Technician

Robotics Engineer
Standards Analyst
Software Engineer
Tool Designer
Utilization Engineer

Specialty Engineering

Aerospace/Aeronautical Engineer
Marine Engineer
Naval Engineer
Nuclear Engineer
Nuclear Safety Engineer
Solar Energy Engineer

General Engineering

Design Engineer
Project Engineer/Manager
Process Engineer
Research/Test Engineer
Sales Engineer

**offered at FAMU-FSU College of Engineering*

Sample Work Settings

Automotive Manufacturers
Architectural Firms
Commercial Airlines
Computer Firms

Department of Energy
Department of Labor
Department of Transportation
Engineering Consulting Firms

Farm Equipment
Manufacturing
Heating, Ventilating & Air Conditioning Industries

NASA
Petroleum & Gas Companies
Universities: Research/ Instruction

Sample Employers

A sample of organizations that have hired students with a concentration in engineering

Ascend Performance Materials
Exxon Mobile Corporation

Florida Dept. of Env. Protection
GA Aviation/Unison Industries

Kimley, Horn & Associates Inc.
Parker Hannifin Corporation

Pepsico
Siemens Corporation

Connecting Majors, Skills, and Occupations

- View learning outcomes associated with your major in the *FSU Undergraduate Academic Program Guide Learning Compact*: www.academic-guide.fsu.edu/
- Explore the connection between occupations and skills in O*Net: www.onetonline.org
- Use the FSU Career Portfolio to document transferable skills you develop through your major and other experiences: www.portfolio.fsu.edu
- Use ProfessionNole Mentors to learn more about industry demands, career expectations, and opportunities from professionals: www.career.fsu.edu/professionole-mentors

Sample Career Center Library Resources

Sample Books

Careers in Engineering.....IIB 17-2000 V5	Opportunities in Engineering Careers.....IIB 17-2000 B2
Careers in High Tech.....IIB 17-2000 B25	Real Resumes for Engineering Jobs.....VA M359
Career Opportunities in Science.....IIB 19-0000 E25	The Engineer's Career Guide.....IIB 17-2000 H6
Career Opportunities in the Energy Industry.....IIB 17-3020 T3	Tomorrow's Professor: Preparing for Academic Careers in Science and Engineering.....IIB 25-1000 R45
Engineers Occupational File.....IIB 17-2000	Unlocking Your Brilliance: Smart Strategies for Women to Thrive in Science, Technology, Engineering, and Math.....IG4 P8
Florida Institute of Consulting Engineers.....VI B5 F5	Women in Engineering: Professional Life.....IG4 L3
Great Jobs for Engineering Majors.....IIC EG G3	
Opportunities in Building Construction Trades.....IIB 47-0000 S9	
Opportunities in Electronics Careers.....IIB 17-3020 R6	

Self-Exploration and Career Information

To explore values, interests, and skills:

To explore occupational outlooks and salaries:

FOCUS 2

www.career.fsu.edu/Students/Plan-Your-Career/Explore-Majors-and-Careers/FOCUS2

Sigi3

www.career.fsu.edu/sigi

(Obtain a User ID from a Career Advisor)

National Compensation Survey

www.bls.gov/ncs/

Occupational Outlook Handbook

<http://www.bls.gov/ooh>

Salary.com

www.salary.com

Handshake

www.career.fsu.edu/handshake

See additional resources in Career Center Advising Module Sheets:

www.career.fsu.edu/Resources/Module-Sheets

Sample Websites

Advisers to the Nation on Science, Engineering and Medicine

www.nationalacademies.org

Center for Integrating Information on Geoengineering

www.geoengineer.org

Engineer Resources Online

www.er-online.co.uk

Progressive Engineer

www.progressiveengineer.com

Sample Professional Organizations

American Institute of Chemical Engineers

(AIChE) - New York, NY

www.aiche.org

American Society of Mechanical Engineers

(ASME) - New York, NY

www.asme.org

Institute of Industrial Engineers (IIE) -

Norcross, GA

www.iienet.org

American Society of Civil Engineers (ASCE)

- Reston, VA

www.asce.org

Institute of Electrical and Electronic

Engineers (IEEE) - New York, NY

www.ieee.org/portal/site

Society of Women Engineers (SWE) -

Chicago, IL

www.swe.org

For other related professional organizations, go to FSU Libraries database at lib.fsu.edu; select Find a Database; search for Gale Databases; choose Associations Unlimited.

Additional Information

Florida State University Career Guide

www.career.fsu.edu/Resources/Career-Guides

Career Guides by Topic

www.career.fsu.edu/Resources/Career-Guides

Library Links

www.career.fsu.edu/Resources/Career-Center-Library

Steps to Career Success

www.portfolio.career.fsu.edu/stepstocareersuccess/index.html