

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*

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*

Automotive Engineer
Ceramic Engineer
Corporate Applications
Engineer
Material and Metallurgical
Engineer
Mechanical Designs
Technician
Standards Analyst
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.learningforlife.fsu.edu/smalcs/learningcompacts.cfm
- 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 ProfessoNole to learn more about industry demands, career expectations, and opportunities from professionals: www.career.fsu.edu/professionole

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	Opportunities in High Tech Careers.....IIB 17-2000 G6
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 E6 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:

Choices Planner
www.flchoices.org

Sigi3
www.career.fsu.edu/sigi
(Obtain a User ID from a Career
Advisor)

NACE Starting Salaries Survey Data
[www.naceweb.org/salary-resources/
starting-salaries.aspx](http://www.naceweb.org/salary-resources/starting-salaries.aspx)

Occupational Outlook Handbook
www.bls.gov/ooh

Salary.com
www.salary.com

SeminoleLink Plus! Services
www.career.fsu.edu/seminolelink

See additional resources in Career
Center Advising Module Sheets:
[www.career.fsu.edu/advising/
modules.cfm](http://www.career.fsu.edu/advising/modules.cfm)

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 Civil Engineers
(ASCE) - Reston, VA
www.asce.org

American Society of Mechanical
Engineers (ASME) - New York, NY
www.asme.org

Institute of Electrical and Electronic
Engineers (IEEE) - New York, NY
www.ieee.org/portal/site

Institute of Industrial Engineers (IIE)
- Norcross, GA
www.iienet.org

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 2013-2014
www.career.fsu.edu/pubs/2013-14CareerGuide.pdf

Career Guides
www.career.fsu.edu/advising/guides.cfm

Library Links
www.career.fsu.edu/library/links.cfm

Steps to Career Success
www.career.fsu.edu/Steps-to-Career-Success/