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
- Biotechnology
- Chemical Design Engineer
- Chemical Engineer
- Chemical Technician
- Petroleum Engineer
- Polymer Engineer

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
- Utilization Engineer

Specialty Engineering
- Aerospace/Aeronautical Engineer
- Marine Engineer
- Naval Engineer
- Nuclear Engineer
- Nuclear Safety Engineer
- Solar Energy 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

Mechanical*
- Automotive Engineer
- Ceramic Engineer
- Corporate Applications Engineer
- Material and Metallurgical Engineer
- Mechanical Designs Technician
- Standards Analyst
- Tool Designer

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
- Automotive Manufacturers
- Architectural Firms
- Commercial Airlines
- Computer Firms
- Department of Energy

Department of Labor
- Department of Labor
- Department of Transportation
- Engineering Consulting Firms

Farm Equipment Manufacturing
- Farm Equipment Manufacturing
- Heating, Ventilating & Air Conditioning Industries
- NASA

Petroleum & Gas Companies
- 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 ProfessioNole 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
Careers in High Tech.............................................IIB 17-2000 B25
Career Opportunities in Science........................IIB 19-0000 E25
Career Opportunities in the Energy Industry.....IIB 17-3020 T3
Engineers Occupational File.................................IIB 17-2000
Florida Institute of Consulting Engineers..........VI B5 F5
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
Opportunities in Engineering Careers...............IIB 17-2000 B2
Opportunities in High Tech Careers...................IIB 17-2000 G6
Tomorrow's Professor: Preparing for Academic
Careers in Science and Engineering.................IIB 17-2000 H6
Unlocking Your Brilliance: Smart Strategies
for Women to Thrive in Science, Technology,
Engineering, and Math..............................IG4 P8
Women in Engineering: Professional Life...........IG4 L3

Self Exploration and Career Information
To explore values, interests, and skills:
Choices Planner
www.flchoices.org
Sigi3
www.career.fsu.edu/sigi
(Obtain a User ID from a Career Advisor)
To explore occupational outlooks and salaries:
NACE Starting Salaries Survey Data
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

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 2013-2014
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/