

Engineering

Sample Occupations

Chemical*/Biomedical

Absorption and Adsorption Engineer
 Biochemical Engineer
 Biomedical Engineer
 Biotechnologist
 Chemical Design Engineer
 Chemical Engineer
 Chemical Plant Technical Director
 Chemical Technician
 Chemical Test Engineer
 Environmental Engineer
 Food Engineer
 Petroleum Engineer
 Polymer Engineer

Civil*

City Planner
 Construction Inspector
 Civil Engineer
 Forest Engineer
 Geotechnical Engineer
 Hydrological Engineer
 Structural Drafter
 Structural Engineer
 Transportation Planner
 Transportation Engineer
 Urban Planning Engineer
 Waterworks Coordinator
 Water Resources Engineer

*offered at FAMU/FSU College of Engineering

Electrical*

Applications Engineer
 Computer Engineer
 Controls Engineer
 Electrical Engineer
 Electronics Engineer
 Fiberoptics Engineer
 Illuminating Engineer
 Integrated Circuit Layout Designer
 Robotics Engineer
 Software Engineer
 Testing Engineer

Environmental

Agricultural Engineer
 Bioengineer
 Environmental Engineer
 Forest Engineer
 Pollution Control Engineer
 Sanitary Engineer
 Water Quality Engineer
 Water/Wastewater Plant Operator

Industrial*

Configuration Management Analyst
 Efficiency Engineer
 Ergonomist
 Fire Protection Engineer
 Industrial Engineer
 Health Engineer
 Human Factors Engineer
 Liaison Engineer
 Metrologist
 Manufacturing Engineer
 Packaging Engineer
 Production Planner
 Project Planner
 Safety Engineer
 Quality Control Engineer

Mechanical*

Automotive Engineer
 Ceramic Engineer
 Corporate Applications Engineer
 Maintenance Superintendents
 Materials Engineer
 Material Handling Engineer
 Material and Metallurgical Engineer
 Mechanical Designs Technician
 Mechanical Engineer
 Standards Analyst
 Tool Designer
 Utilization Engineer

Specialty Engineering

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

General Engineering

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

Sample Work Settings

Aerospace Industry
 Automotive Industry
 Architectural Firms
 Commercial Airlines
 Computer Firms
 Dept. of Energy

Dept. of Labor
 Dept. of Transportation
 Energy & Fuels
 Engineering Consulting Firms
 Farm Equipment
 Manufacturing

Heating, Ventilating & Air-conditioning Industries
 Manufacturing
 Marine Industry
 NASA
 Petroleum & Gas Companies

Pulp & Paper Industry
 Telecommunications
 Universities: Research/ Instruction
 Waste Water Management

Sample Career Center Library Resources

A/E/C Employers VI B5 E55
 Careers in Engineering IIB 17-2000 V5
 Careers in High Tech IIB 17-2000 B25
 Careers in Science IIB 19-0000 E2
 Career Opportunities in Science IIB 19-0000 E25
 Career Opportunities in the Energy Industry IIB 17-3020 T3
 Engineers Occupational File IIB 17-2000
 Federal Career Opportunities VI B2 U7

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
 Physical Sciences Career Directory VIB5 M6

For POSSIBLE electronic format for these or other related resources, use the FSU Libraries Catalog at lib.fsu.edu; select Advanced search: Keywords Anywhere = vocational and Title Keywords = type a specific career area (think of alternate terms to describe your career in case one doesn't give results).

* Please ask a career advisor for help in identifying resources for the occupations. Note that some of these options may require an advanced degree.*

Other Sources of Information

Choices Planner
www.flchoices.com

eDISCOVER
www.act.org/discover/login
(Obtain a User ID from a career advisor)

Encyclopedia of Careers & Voc. Guidance
IIA E6 v. 1-5

Occupational Outlook Handbook
www.bls.gov/oco

O*NET
www.onetcenter.org

SIGI 3
www.career.fsu.edu/sigi
(Obtain a User ID from a career advisor)

Sample Professional Organizations

American Institute of Aeronautics and
Astronautics (AIAA)
Reston, VA
www.aiaa.org

American Institute for Medical & Biological
Engineering
Washington D.C.
www.aimbe.org

American Institute of Chemical Engineers
(AIChE)
New York, NY
www.aiche.org

American Society of Civil Engineers (ASCE)
Reston, VA
www.asce.org/asce.cfm

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

Florida Engineering Society
Palm Beach, FL
www.fleng.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

International Society for Soil Mechanics
and Geotechnical Engineering
London
www.issmge.org

National Society of Black Engineers
(NSBE)
Alexandria, VA
www.nsbe.org

National Society of Professional Engineers
Alexandria, VA
www.nspe.org

Society of Automotive Engineers (SAE)
Warrendale, PA
www.sae.org

Society of Hispanic Professional Engineers
Los Angeles, CA
www.shpe.org

Society of Naval Architects & Marine
Engineers
Jersey City, NJ
www.sname.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 Databases A-Z list; select Gale Databases; choose Associations Unlimited

Sample Web Sites

Advisers to the Nation on Science, Engineering, and Medicine
www.nationalacademies.org

Center for Integrating Information on Geoengineering
geoengineer.org

Engineer Resources Online
www.er-online.co.uk

Progressive Engineer
www.progressiveengineer.com

Other Resources

Check for registered student organizations that will help you explore your major
union.fsu.edu/sac/soc; select Search FSU Groups

Check for volunteer opportunities that will help you explore your major
thecenter.fsu.edu/students.html

