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  

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

*offered at FAMU-FSU College of Engineering

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

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

**Industrial**  
Configuration Management Analyst  
Ergonomist  
Fire Protection 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  

Sample Work Settings

<table>
<thead>
<tr>
<th>Automotive Manufacturers</th>
<th>Department of Energy</th>
<th>Farm Equipment Manufacturing</th>
<th>NASA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural Firms</td>
<td>Department of Labor</td>
<td>Manufacturing</td>
<td></td>
</tr>
<tr>
<td>Commercial Airlines</td>
<td>Department of Transportation Engineering Consulting Firms</td>
<td>Heating, Ventilating &amp; Air Conditioning Industries</td>
<td></td>
</tr>
<tr>
<td>Computer Firms</td>
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</tr>
</tbody>
</table>

Sample Employers

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

<table>
<thead>
<tr>
<th>Ascend Performance Materials</th>
<th>Florida Dept. of Env. Protection</th>
<th>Kimley, Horn &amp; Associates Inc.</th>
<th>Pepsico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exxon Mobile Corporation</td>
<td>GA Aviation/Unison Industries</td>
<td>Parker Hannifin Corporation</td>
<td>Siemens Corporation</td>
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<td></td>
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</tbody>
</table>

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/](http://www.academic-guide.fsu.edu/)
- Explore the connection between occupations and skills in O*Net: [www.onetonline.org](http://www.onetonline.org)
- Use the FSU Career Portfolio to document transferable skills you develop through your major and other experiences: [www.portfolio.fsu.edu](http://www.portfolio.fsu.edu)
- Use ProfessioNole Mentors to learn more about industry demands, career expectations, and opportunities from professionals: [www.career.fsu.edu/professionole-mentors](http://www.career.fsu.edu/professionole-mentors)
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 EG 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
Real Resumes for Engineering Jobs.........................VA M359
The Engineer's Career Guide.................................IIB 17-2000 H6
Tomorrow's Professor: Preparing for Academic
Careers in Science and Engineering......................IIB 25-1000 R45
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:
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)

To explore occupational outlooks and salaries:
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
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