



# What Can I Do With a Major in...Engineering

Engineering programs are designed to train people to design and analyze products and processes using principles of mathematics and natural sciences. Engineers need to think in scientific and mathematical terms, have ability to study data, sort out important facts, solve problems, and be logical thinkers. Creativity is useful. Schools may offer programs in general engineering or in specialized engineering fields. Major specialties include: Civil Engineering, Mechanical Engineering, Electrical Engineering. Other specialties may include: Aeronautical, Agricultural, Architectural, Biomedical, Chemical, Computer, Electronic, Environmental, Nuclear, Petroleum, Industrial, and Mining Engineering..

## Potential Employers

- ❖ NASA, Boeing, Apple, Microsoft
- ❖ Google, Sony
- ❖ Federal government
- ❖ Dept. of Transportation
- ❖ Pharmaceutical Manufacturers
- ❖ Walt Disney Company
- ❖ U.S Department of Energy
- ❖ IBM, Nissan, Dell
- ❖ Nonprofit Organizations
- ❖ Dept. of Agriculture
- ❖ National Aeronautics and Space Transportation
- ❖ Dept. of Defense
- ❖ Computer and Electronics Manufacturers
- ❖ Road Construction Companies
- ❖ Engineering and Architectural Companies
- ❖ Army Corps of Engineers
- ❖ Utility Companies
- ❖ Environmental Protection Agency
- ❖ Hospitals and Healthcare Organizations

## Possible Job Titles

- ❖ Chemical Engineer
- ❖ Nano Engineer
- ❖ Mechanical Engineer
- ❖ Quality Engineer
- ❖ Industrial Engineer
- ❖ Marine Engineer
- ❖ Aerospace Engineer
- ❖ Drafting and Design Engineer
- ❖ Software Engineer
- ❖ Telecommunications Engineer
- ❖ Environmental Engineer
- ❖ Automotive Engineer

- ❖ Vehicle Engineer
- ❖ Transport Engineer
- ❖ Thermal Engineer
- ❖ Structural Engineer
- ❖ Software Engineer
- ❖ Petroleum Engineer
- ❖ Nuclear Engineer
- ❖ Electrical Engineer
- ❖ Water Engineer
- ❖ Mining Engineer
- ❖ Civil Engineer
- ❖ Computer Engineer

- ❖ Electrical Design Engineer
- ❖ Electro-Mechanical Engineer
- ❖ Biomedical Engineer
- ❖ Sanitary Engineers
- ❖ Transportation Engineers
- ❖ Sales Engineers
- ❖ Safety Engineer
- ❖ Robotics Technicians
- ❖ Geological Engineer
- ❖ Petroleum Engineer

# How This Major Helps You Move Forward:

## Skills learned in this major:

- ❖ The ability to work under pressure
- ❖ Effective technical skills
- ❖ Problem-solving skills
- ❖ Verbal and written communication skills
- ❖ Analytical Thinking
- ❖ Teamwork and Clear Communication
- ❖ Organization Skills and Detailed Thinking
- ❖ Strong Leadership Skills

## Additional Information can be Found at:

[www.assist.org](http://www.assist.org)

[www.salary.com](http://www.salary.com)

[www.uncw.edu/career/WhatCanIDoWithaMajorIn.html](http://www.uncw.edu/career/WhatCanIDoWithaMajorIn.html)

[www.cacareerzone.org](http://www.cacareerzone.org)

[www.lamission.edu/careercenter](http://www.lamission.edu/careercenter)

## CSU/UC Related Major Transfer:

- ❖ **CSUN:** Civil Engineering BS, Computer Engineering BS, Mechanical Engineering BS,
- ❖ **Cal State L.A.:** Engineering with Special Options BS, Civil Engineering, Electrical and Computer Engineering, Mechanical Engineering
- ❖ **UCLA:** Chemical Engineering BS, Electrical Engineer BS, Engineering Geology BS, Materials Engineering BS, Mechanical Engineering BS
- ❖ **UC Riverside:** Mechanical Engineering, Materials Science and Engineering, Electrical Engineering, Engineering

Go to [www.assist.org](http://www.assist.org) to see more universities that offer these majors

## CSU/UC Graduate Degree Options:

- ❖ **UCSF:** Bioengineering Ph.D
- ❖ **CSUN:** Software Engineering MS, Structural Engineering MS, Materials Engineering MS
- ❖ **SDSU:** Bioengineering MS/Ph.D
- ❖ **UCB:** Civil and Environmental Engineering MS

This is **general information**. For specific information on majors and careers please see Counselor in the Career Center – Claudia Ramirez (818)833-3403; [careercenter@lamission.edu](mailto:careercenter@lamission.edu)