



# LA Mission College Career Center

# ENGINEERING

## MAJOR SHEETS

### SKILLS

(things you will learn or use)

- Operation monitoring
- Technology design
- Time management
- Troubleshooting
- Operations analysis
- Oral comprehension
- Information ordering
- Perceptual speed
- Problem sensitivity
- Visualization

### INTEREST

- Complex problem solving
- Designing and developing
- Working with blueprints
- Precise measuring
- Working with circuit boards
- Predicting outcomes
- Building and constructing
- Working with numbers
- Working with materials
- Production processes

### WHAT IS 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 the 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.

### LAMC DEGREES & CERTIFICATES OFFERED

- **Associate of Science in Engineering**
- **Certificate of Achievement in Engineering Drafting Technician**

### TRANSFER RELATED MAJORS

- **CSU Dominguez Hills:** Engineering
- **CSU Fullerton:** Engineering, Electrical Engineering
- **CSU Long Beach:** Aerospace Engineering
- **CSU Los Angeles:** Electrical Engineering
- **CSU Northridge:** Construction Management
- **Cal Poly Pomona:** Electronic Systems Engineering Technology
- **UC Irvine:** Civil Engineering, Electrical Engineering
- **UC Davis:** Civil Engineering, Chemical Engineering
- **UC Berkeley:** Civil Engineering, Mechanical Engineering
- **UC Merced:** Environmental Engineering



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#### WORK ENVIRONMENT

- Some work in industrial plants where they are exposed to the same conditions as other workers
- When meeting project deadlines, overtime may be necessary
- Some stress may be experienced when working with a short timeline or with a tight budget
- Workers perform the work indoors and outdoors

#### WEBSITE RESOURCES

[www.lamission.edu/careercenter](http://www.lamission.edu/careercenter)  
[https://www.lamission.edu/disciplines/engineering\\_gen.html](https://www.lamission.edu/disciplines/engineering_gen.html)  
[www.assist.org](http://www.assist.org)  
[www.salary.com](http://www.salary.com)  
<https://uncw.edu/career/whatcanidowithamajorin.html>  
[www.cacareerzone.org](http://www.cacareerzone.org)  
<http://degrees.calstate.edu/>  
[https://admission.universityofcalifornia.edu/counselors/files/undergraduate\\_majors\\_list.pdf](https://admission.universityofcalifornia.edu/counselors/files/undergraduate_majors_list.pdf)

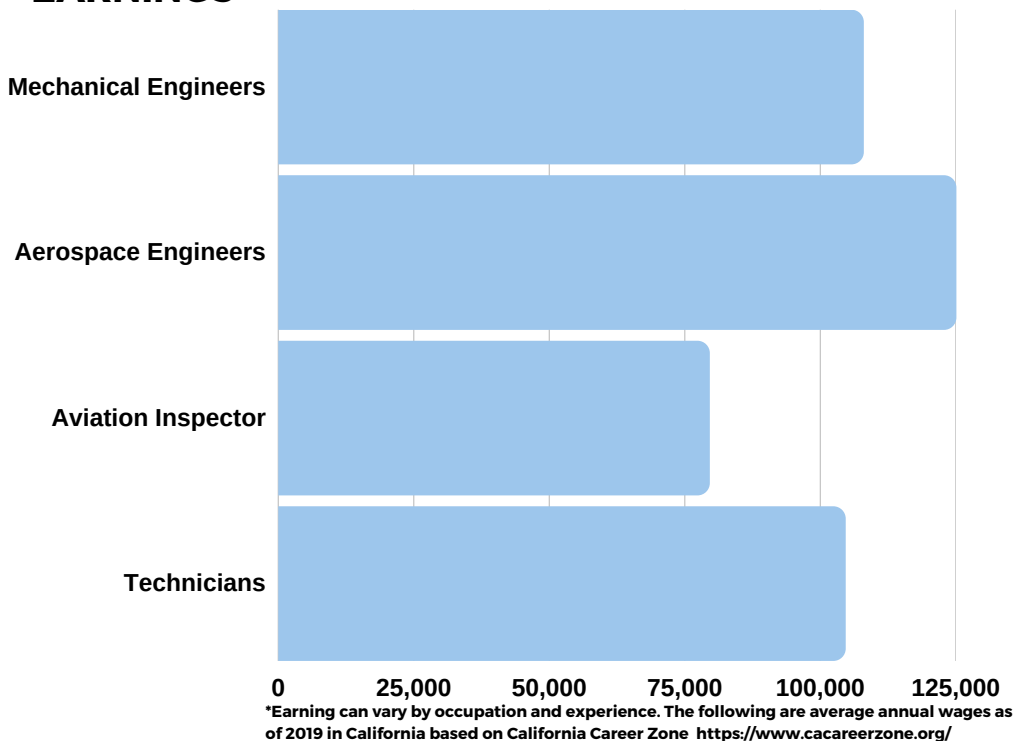
#### POTENTIAL JOB TITLES

- Mechanical Engineers
- Manufacturer
- Factory manager
- Facility designer
- Chief engineer
- Construction engineer
- Robotics technician
- Aviation inspector
- Robotics engineer
- Aerospace Engineers
- Automotive engineering technician
- Civil engineering technician

#### POTENTIAL EMPLOYERS

- Motor vehicle parts manufacturing
- Aerospace product and parts manufacturing
- Architectural, engineering, and related services
- Entrepreneur
- Microsoft
- Apple

#### \*EARNINGS



This general information is provided by the LA Mission College Career Center. For specific information about majors and careers please email us to make an appointment at [careercenter@lamission.edu](mailto:careercenter@lamission.edu)