



WHAT IS ENGINEERING?

Engineering is the interdisciplinary study of math, science, and business principles. The courses teach students how to identify and solve problems, design and conduct experiments, and to understand professional and ethical responsibility. This major teaches students how to make systems work better, meet the needs of businesses, and design and develop new products for public use.

INTERESTS

(THINGS YOU LIKE TO DO)

- 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

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SKILLS

(THINGS YOU WILL LEARN & USE)

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

LAVC DEGREES & CERTIFICATES OFFERED

The engineering major is housed under the Technology Department at Los Angeles Valley College. The engineering major provides students with the knowledge and skills to succeed in the Hi-Tech world of the twenty-first century. LAVC offers the following degrees:

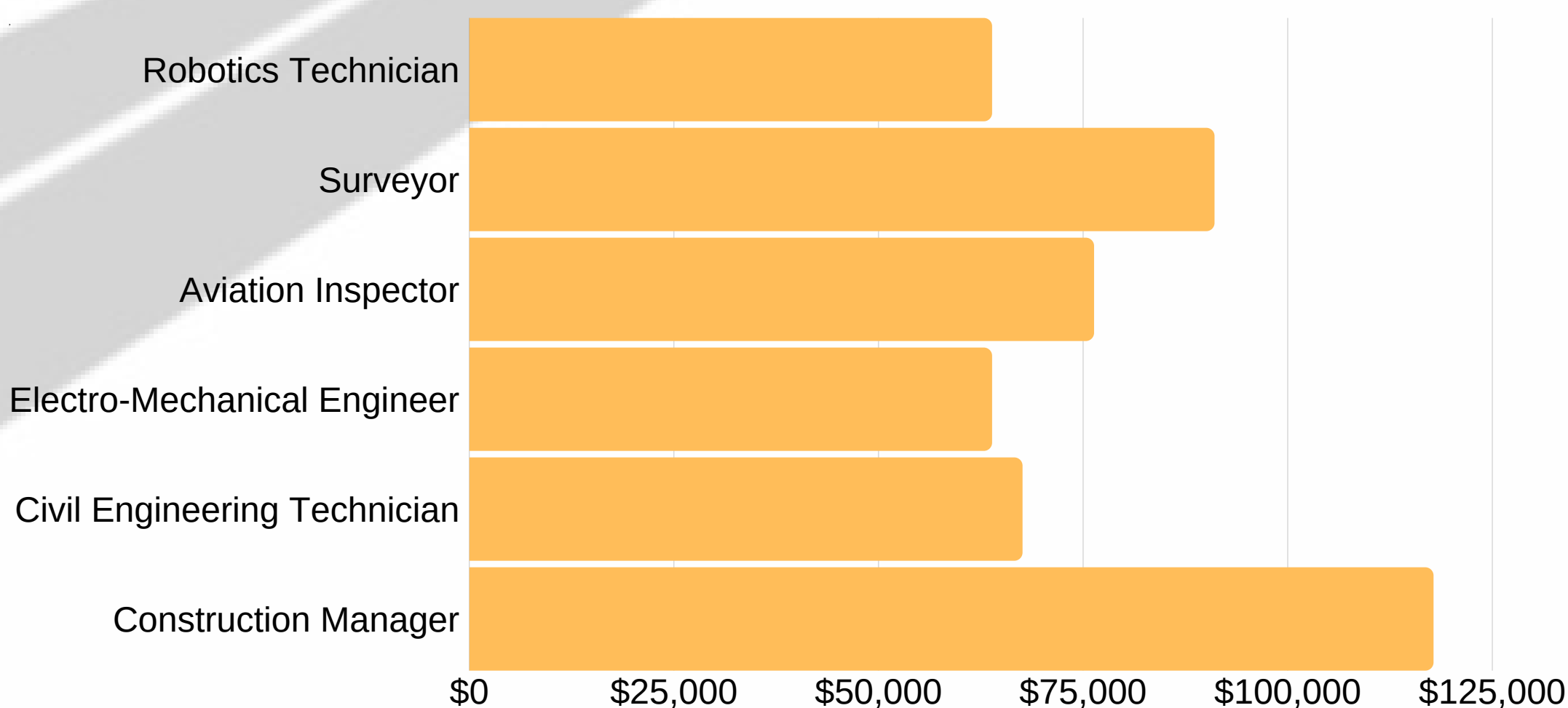
- Associate of Science (AS) in Engineering
- Associate of Science (AS) in Sustainable Construction Management
- Associate of Science (AS) in Mechanical Drafting/Design
- Associate of Science (AS) in Engineering Technology: Industrial/Manufacturing
- Associate of Science (AS) in Engineering Technology: Mechanical Engineering
- Associate of Science (AS) in Manufacturing Technology: Metal Machining
- Associate of Science (AS) in Manufacturing Technology: Numerical Control
- Certificate of Achievement in Architecture
- Certificate of Achievement in Computer Graphics/Design
- Certificate of Achievement in Engineering Technology Industrial/Manufacturing
- Certificate of Achievement in Mechanical Drafting/Design
- Certificate of Achievement in Mechanical Engineering Technology
- Certificate of Achievement in Manufacturing Technology: Metal Machining
- Certificate of Achievement in Manufacturing Technology: Numerical Control
- Certificate of Achievement in Sustainable Construction Management



CSU RELATED TRANSFER MAJORS

- CSU Dominguez Hills: Sociology
- 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

EARNINGS*



*Earnings can vary by occupation and experience. The following are median wages as of 2018 in California based on CaliforniaCareerZone.org

FOR MORE INFORMATION

- www.lavc.edu/transfer
- <https://www.lavc.edu/Technology-Department/Technology-Department-Home.aspx>
- <http://www.lavc.edu/transfer/majors/default.html>
- www.assist.org
- www.eureka.org
- www.cacareerzone.org
- www.onetonline.org
- <http://degrees.calstate.edu/>
- https://admission.universityofcalifornia.edu/counselors/files/undergraduate_majors_list.pdf

RELATED OCCUPATIONS

- Plant chief
- Manufacturer
- Factory manager
- Facility designer
- Chief engineer
- Construction engineer
- Robotics technician
- Aviation inspector
- Robotics engineer
- Surveyor
- Automotive engineering technician
- Civil engineering technician
- Construction manager



POTENTIAL EMPLOYERS

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

This general information is provided by the LAVC Career/Transfer Center. For specific information about majors and careers please make an appointment to see a counselor either online, in person at the Counseling Department (Student Services Annex) or by phone at (818) 947-2474.