

What You Can Do With A Major In ... Engineering

College of San Mateo
Career Services Center
collegeofsanmateo.edu/career
Phone: 650-574-6116

Career Opportunities: Engineering is one of the largest professions in the United States, with over one million jobs in fields ranging from airplane design to pollution control. The three largest branches of engineering are electrical, mechanical, and civil. All branches of engineering place a heavy emphasis on problems solving and mathematics. Engineering education focuses on teaching scientific and engineering concepts and their application to the creative and effective solutions of problems. Career opportunities for those who hold a Bachelor's or advanced degree include engineering positions in aerospace, agricultural, architectural, biomedical, chemical, civil, computer, electrical, industrial, material, mechanical, and environmental nuclear fields.

Typical Job Titles: Engineering Aide, Engineering Technician, Engineering Supervisor. With a B.S. or advanced degree, career opportunities extend to include: Civil Engineer, Director of Engineering, Electrical Engineer, Mechanical Engineer, Equipment Engineer, Biomedical Engineer

Places of Employment: Manufacturing Industries, Federal, State, or Local Governmental Agencies, Private Consulting Firms

Sample Salary Information: Engineering Technician

Annual Wages for 2013	Low (25th percentile)	Median (50th percentile)	High (75th percentile)
California	\$45,046	\$55,922	\$69,430
San Francisco Bay Area	\$46,997	\$57,583	\$73,270

Source: EDD/LMID Occupational Employment Statistics Survey, 2013 Wages do not reflect self-employment.

The San Francisco Bay Area includes Marin, San Francisco, and San Mateo counties.

Estimated Employment and Projected Growth Industrial Engineering Technicians					
Geographic Area (Estimated Year-Projected Year)	Estimated Employment	Projected Employment	Numeric Change	Percent Change	Additional Openings Due to Net Replacements
California (2010-2020)	4,500	5,200	700	15.6	900
San Francisco Bay Area (2010-2020)	270	310	40	14.8	50

Source: EDD/LMID Projections of Employment by Occupation

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Students should meet with a CSM Academic Counselor once a semester to update their Student Education Plan (SEP) and to ensure that they are on track to meet educational goals in a timely manner. For further Career counseling assistance in the selection of a major, contact the Counseling Department at 650-574-6400 or come in person to Building 10, 3rd floor, Room 340, and ask for Career Counseling. Additionally, explore 2500+ careers on www.Eureka.org. CSM Code: JXHLXRL.