

Field	Sample Job Description	Job forecast (between 2008-2018)	Salary range	Salary Average	Options for BS	WUE Options for BS
Aerospace	Aerospace engineers design, test, and supervise the manufacture of aircraft, spacecraft, and missiles. Those who work with aircraft are called aeronautical engineers, and those working specifically with spacecraft are astronautical engineers.	5%	\$60,620-\$143,360	\$97,480	CPP CPSLO CSULB SDSU SJSU UCI UCLA UCSD	NMSU
Agricultural	Agricultural engineers—also known as biological and agricultural engineers—work on a variety of activities. These activities range from aquaculture (raising food, such as fish, that thrive in water) to land farming to forestry; from developing biofuels to improving conservation; from planning animal environments to finding better ways to process food.	12%	\$43,150-\$86,400	\$68,730	CPSLO	NMSU
Chemical	Chemical engineers work in manufacturing, pharmaceuticals, healthcare, design and construction, pulp and paper, petrochemicals, food processing, specialty chemicals, polymers, biotechnology, and environmental health and safety industries, among others.	2%	\$53,730-\$130,240	\$84,680	CPP CSULB SJSU UCB UCD UCI UCLA UCR UCSB UCSD	NMT NMSU UNM

Civil	Civil engineers design and supervise the construction of roads, buildings, airports, tunnels, dams, bridges, and water supply and sewage systems.	24%	\$48,140- \$115,630	\$79,340	CPSLO CSUC CSUFRES CSUFULL CSULA CSULB CSUN CSUS SDSU SFSU SJSU UCB UCD UCI UCLA	NAU NMT NMSU UNM
Computer	Computer engineers (or computer hardware engineers) research, design, develop, test, and oversee the manufacture and installation of computer hardware, including computer chips, circuit boards, computer systems, and related equipment such as keyboards, routers, and printers.	4%	\$59,170- \$148,590	\$100,920	CPP CPSLO CSUC CSUFRES CSUFULL CSULB CSUN CSUS SDSU SFSU SJSU UCD UCI UCR UCSB UCSC	UNM
Construction	Construction engineers are responsible for overseeing the construction of airports, malls, schools, manufacturing facilities, highways, high rise structures, water treatment plants and much more.		\$47,000- \$108,000	\$60,922	CSUL	UNM

<p>Electrical</p>	<p>Electrical engineers design, develop, test, and supervise the manufacture of electrical equipment. Some of this equipment includes electric motors; machinery controls, lighting, and wiring in buildings; radar and navigation systems; communications systems; and power generation, control, and transmission devices used by electric utilities.</p>	<p>11%</p>	<p>\$52,990- \$125,810</p>	<p>\$89,630</p>	<p>CPP CPSLO CSUB CSUFRES CSUFULL CSULA CSULB CSUN SDSU SFSU SJSU UCD UCI UCLA UCR UCSB UCSC UCSD</p>	<p>NAU NMT NMSU UNM</p>
<p>Mechanical</p>	<p>Mechanical engineers use the principles of energy, materials, and mechanics to design and manufacture machines and devices of all types. They create the processes and systems that drive technology and industry.</p>	<p>6%</p>	<p>\$47,900- \$114,740</p>	<p>\$80,580</p>	<p>CPP CPSLO CSUC CSUFRES CSUFULL CSULA CSULB CSUMA CSUN CSUS SDSU SFSU SJSU UCB UCD UCI</p>	<p>ASU NAU NMT NMSU NNMC UNM</p>

Mechanical (continued)					UCLA UCM UCR UCSB UCSD	
Mining	Mining and geological engineers design mines for the safe and efficient removal of minerals such as coal and metals for manufacturing and utilities.	15%	\$45,020- \$122,750	\$75,960		U of A
Petroleum	Petroleum engineers design and develop methods for extracting oil and gas from deposits below the earth's surface. Petroleum engineers also find new ways to extract oil and gas from older wells.	18%	\$57,820- \$166,400	\$108,020		NMT
Structural	Manages and directs staff at project site. Performs engineering duties; plans, designs and oversees the construction and maintenance of buildings, bridges, and other structures. Researches and analyzes maps, blueprints, photos, charts, and other data to plan projects. Gathers information to prepare and present reports on project topics.	19%	\$52,000- \$90,000	\$65,000	UCSD	