


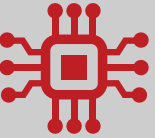



ENGINEERING EMPLOYMENT OUTLOOK

TYPE OF ENGINEER	DEGREE AND REQUIREMENTS	MEDIAN SALARY	JOB OUTLOOK	WHAT DO YOU DO?	IMPACT
Aerospace Engineer 	B.S. – Aerospace engineering (or other fields related to aerospace). Security clearance usually is required for government employers or defense contractors.	\$107,830 per year	Very slight decline (minus 2 percent) over the next 10 years	Design, prototype and test just about anything airborne: planes, spacecraft, missiles, satellites and more.	Innovation in space travel and air travel – think the newest, biggest transatlantic jets, or the vessels that might take humans to Mars. Also: cutting-edge technology, being at the (often secret) forefront of new developments, testing and iterating designs to the point of perfection.
Biomedical Engineer 	B.S. – Bioengineering, or science electives and a different engineering degree.	\$86,220 per year	Major growth (plus 23 percent) over the next 10 years	Spur technology in the medical industry through development of new equipment, medical devices, software and networks.	Contributing to a healthier society and pushing the limits of how medicine can help heal the human body. Thinking outside the box to deliver new cures and remedies in innovative ways.
Industrial Engineer 	B.S. – Industrial engineering, mechanical engineering, manufacturing engineering or general engineering	\$83,470 per year	Relatively flat (plus 1 percent) over the next 10 years	Develop and optimize efficient production processes by analyzing all aspects of an operation: people, machinery, data, materials and more.	Looking at the big picture while identifying and solving problems, but also analyzing the more specific, human elements that comprise a process. Working with upper-level personnel to develop new and better data-based ways of doing things.
Material Engineer 	B.S. – Materials science and engineering. Internships are also particularly helpful for materials engineers.	\$91,310 per year	Relatively flat (plus 1 percent) over the next 10 years	Develop and improve materials for a wide variety of uses, ranging from aerospace to computers to nanotechnology and more.	An ever-changing job that involves working with a number of different industries, based on project, material and need. Plastic and metal material engineering may lead to breakthroughs in transportation, for instance, while other material engineers may work with materials used for smartphones and other devices.
Mechanical Engineer 	B.S. – Mechanical engineering. License required to sell services to the public.	\$83,590 per year	About average (plus 5 percent) over the next 10 years.	Develop machines, tools and devices, including all aspects from design through to fabrication and testing. Mechanical engineers are typically involved with the transportation and manufacturing industries.	Spearheading breakthroughs in transportation and other industries that are ripe for leveraging innovation. Creating new designs and seeing them through to reality. Mechanical engineers may be involved with concepts and components for applications as diverse as the Hyperloop proposal or the next wave of self-driving cars.

Note: The average first-year salary for all engineering degree holders was \$62,998 in 2015, according to the National Association of Colleges and Employers. Other facts and outlooks are according to U.S. Department of Labor.