



TYPES OF ENGINEERING

Type of Engineering	Description
Aerospace Engineer	Ideal for those who enjoy putting objects into motion, aerospace engineering involves air travel and space flight. Examples could be designing a satellite to send into space for GPS, building an engine for an airplane or testing defensive missiles.
Biomedical Engineer	Biomedical engineers contribute to improving access to safe and quality medicines and technologies. Engineers apply their medical knowledge to mass produce these medicines and technologies, making them affordable and accessible worldwide. New research is constantly being worked on, finding cures and treatments for diseases and illnesses.
Civil Engineer	Civil engineers are all about building! Many of the structures that you see and use every day were built by civil engineers. This includes bridges, buildings, tunnels, motorways and sewage systems. Civil engineers have to balance meeting the needs of communities with keeping a healthy and happy environment.
Environmental Engineer	Environmental engineers find solutions to some of earth's biggest problems. Including a rapidly growing population, climate change and a lack of natural resources. These engineers have to work to provide clean drinking water, improve sanitation and air quality and clean polluted areas.
Chemical & Biological Engineer	Chemical and biological engineers work in places such as research labs, manufacturing companies and medicine companies. They aim to improve existing products such as medicines and health products, but can also research environmental activity such as acid rain and researching new energy sources.
Mechanical Engineer	Mechanical engineers work with anything that moves or flows. This can include anything from toys to rollercoasters. They use their knowledge of materials and design to create systems or products that help to better the world around us. This can include machinery in factories, improving air quality and building vehicles.
Agricultural Engineer	Agricultural engineers help to make farms more efficient. By using technologies on farms, farmers can increase and improve the quality of the produce that they are growing. This can be anything from developing seeds to designing and testing farm equipment. These engineers can also help to design and build transportation and storage such as tractors and trailers. This can also be done on a smaller scale in people's home through tools such as lawn mowers and gardening equipment.
Electrical Engineer	Electrical engineers harness the power of electricity! These engineers contribute to a wide variety of projects including energy companies, manufacturing, construction and



	aerospace industries. Electrical engineers have an in depth understanding of electricity, allowing them to work across many sectors, designing, building and testing products.
Software Engineer	Software engineers are responsible for designing and creating anything from smartphones and computer games to smart home devices and televisions. Software engineers will create the platforms for our favorite TV and film viewing services as well and create the software behind nearly all of the technology that can be found in our homes.