



Mechanical Engineering Specialist

AIT Jobs

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WHITE CARD

Mechanical Engineering Specialist

Anything that involves force, energy or motion involves mechanical engineering. Because mechanical engineers design and work with all types of mechanical systems, careers in this field span across many industries. A mechanical engineer working in the aerospace industry could design the next big energy-efficient jet engine. The robotics industry employs mechanical engineers who build robots that help save lives. The entertainment industry also demands the talents of mechanical engineers who design grand, moving stages and thrilling roller coaster rides. Thus, aspiring engineers can find a career in just about any industry, including automotive, biotechnology, computers, construction, energy, electronics, robotics, aerospace and entertainment, to name a few.

Mechanical engineers and mechanical engineering technicians will be involved in the design and testing of things such as advanced robots, automation equipment, 3D printing machines and environmentally friendly devices.

Mechanical engineers and technicians are in high demand due to the growing demands from the industry to create high-tech equipment. These types of equipment include X-ray printers, advanced robotics, virtual reality hardware, and a lot of other gadgets.



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Electronics Engineering Specialist

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Electronics Engineering Specialist

Individuals interested in electronics engineering will need at least a bachelor's degree in engineering. The most common engineering degrees awarded are in mechanical, electrical, electronics and civil engineering. Electronics engineers specialize in developing and manufacturing applied electronic technology for use in various applications. Such work may be used in avionics electronics, mobile electronic devices and in communication systems

Electronics Engineers use design and engineering equipment and software to complete engineering tasks. The people working in this field help design, test and evaluate cutting-edge technologies.

As electronic circuits and other components become smaller, more complex and more powerful, it is up to these professionals to understand how to take advantage of the latest technological advances.



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3D Printing Technician



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3D Printing Technician

Many futurists believe that we have just begun to scratch the surface of what 3D printing technology will eventually be able to achieve. Industrial designers, biomedical engineers and others are already experimenting the manufacture on demand of such things as tools, food, clothing, everyday household items, medical implants, aviation components, automobiles and electronics. A 3D printing technician will typically need a bachelor's degree in fields like engineering, fine arts, or computer science.

3D printing is a relatively new way of manufacturing that utilizes computer-aided design (CAD). It requires high specialization, and the best candidates for this job are those who have a serious interest in the process, organization, and manufacturing. An associate degree in a technical field, as well as proficiency in measuring tools, is essential for this particular job of the future.

3D Printing technicians assist in the designing and programming of products, ranging from prosthetic products to 3D miniatures. They may also provide 3D printing maintenance, check 3D renders for customers and run 3D printing tests. 3D printing technicians can also repair, maintain and clean 3D printers.

Therefore, technicians specialized in the maintenance of 3D printing equipment will probably have an increasing demand, so it can be considered a future job that will be successful.



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Traffic Controller



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Traffic Controller

The cities of the future will be populated by autonomous cars and drones, so there will be professions dedicated to those who can monitor, improve and control air and ground transportation, with the help of AI platforms.



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Flying Car Developer



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Flying Car Developer

Flying cars are potentially one of the most lucrative automotive and aerial technologies that could reshape the future of advanced automotive and aerospace technologies. The main objective of technological companies such as Google, but also of OEMs is the achievement of a fully functional flying car by the end of 2022. The key point for this ambition is the development of flying cars, which is currently being tested and researched by the top technology leaders in the market.

Even if it sounds incredible, this job will allow those who have knowledge of engineering, software development, aeronautics, materials development to work on the launch of the first flying machines. People with experience in engineering, software development, aeronautics, battery technologies, materials development and many other positions will be needed to assist in moving flying cars from the planning table to commercial development.

The future of the skies being filled with flying cars piloted by everyday citizens is slowly coming closer to fruition and, as a result, the world will need aerospace and car engineers to make these vehicles a reality for the masses.



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