# What can you do with an Electrical Engineering Degree?

A degree in electrical engineering can qualify you to pursue a job in almost any industry you can think of. After all, nearly everyone uses electricity and electrical devices, so industries demand skilled professionals to build, repair, and improve these devices. Electrical engineers work in businesses such as:[\n]

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[li]Scientific research and development firms[/li]

[li]Electrical component manufacturing companies[/li]

[li]Power generation, distribution, and transmission[/li]

[li]Manufacturers of navigation controls, medical equipment, and measurement devices[/li]

[li]Architectural firms[/li]

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Although these industries employ the most engineers, they may not be right for everyone. Electrical engineering majors enjoy many options, more than enough for any student to find a job in a field he loves.

The following job titles represent only a handful of the choices available:[\n]

Research Engineer[\n]

[extend]Research engineers work in the lab, testing and inventing. This job requires a high level of creativity on the part of the engineer, as well as a great deal of patience. Whether inventing a new optoelectronic device or simply designing a better electric can opener, research engineers are responsible for the discovery-stage technology behind any new electronic product.[/extend][\n]

Design Engineer[\n]

[extend]Once a new technology is invented, it must be applied. The design engineer uses computer simulations and models to turn innovations like wireless technology into the tiny parts that make up an actual cell phone. Design engineers must visualize how the insides of a future product could look, while inventing several possible scenarios for the applications of new technologies.[/extend][\n]

Project Engineer[\n]

[extend]The project engineer oversees many specialist engineers throughout the construction of a working prototype of a new product or technology. The project engineer must have natural leadership ability, as well as a high proficiency in a variety of electrical engineering disciplines.[/extend][\n]

Test Engineer[\n]

[extend]Test engineers design programs to check the functions of electronic devices and to troubleshoot those devices when things go wrong. They keep technology working properly, and understand which elements to test and in what order. Successful test engineers remain sharp, even after long hours on the job.[/extend][\n]

System Engineer[\n]

[extend]Power grids, phone lines, and wireless networks all require the skills of a system engineer for proper installation and maintenance. Keen attention to detail is important for graduates who enter this profession. Experienced system engineers rely on their ability to think holistically about the systems they create.[/extend][\n]

Application Engineer[\n]

[extend]Application engineers work with whatever resources are available, adapting existing equipment and technologies to fulfill the needs of their employers. They need to be resourceful, while counting on their deep understanding of the capabilities and the potential modifications of existing equipment.[/extend]