

B.Tech > Electrical & Electronics Engineering



Duration : 3year

Eligibility:

- Passed 10+2 examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry/Biotechnology/Biology/Technical vocational subjects.
- Obtained at least 45% marks (42.75% in case of candidates belonging to reserved category) in the above subjects taken together.

- Electrical and Electronic Engineers learn to generate and transfer information using radio waves. It deals with the design and application of circuitry and equipment for power generation and distribution, machine control, and communications. Students learn to design electronic circuits, computer systems and also develop control systems. Electronics play a key role in the implementation and control of electrical machines. It is the study of electricity, electronics and electromagnetism.

An Electrical Engineer is expected to undertake the following duties:

- Design and develop more efficient electrical machinery
- Control Equipment for electricity generation
- Guide and organize manufacturing, construction, installation, maintenance, support, documentation and testing to assure conformation with specifications, codes and customer requisites.
- Transmission and distribution of electrical energy and telecommunication.

Electrical & Electronics Engineering with certification in Renewable Energy

Renewable energy and the reduction of carbon emissions are at the top of the global agenda. This programme addresses the fundamentals of renewable energy and how solar, wind, wave and other such energy sources can be efficiently integrated into practical power systems. The course is in the area of electrical engineering, applied to renewable energy systems.

Job Description

Electronic and electrical engineers are highly employable and can find work in many industries, including electronics, automotive, IT, telecoms, manufacturing, power, transport, utilities and construction.

Many global electronics organisations maintain research and development facilities within the UK and Europe. Engineers based in the UK can be posted overseas to work on projects, so a willingness to travel can be important.



Career Prospects:

- Aerospace engineer
- Broadcast engineer
- Control and instrumentation engineer
- Electrical engineer

Earnings

2.5 Lakhs to 10 Lakhs per annum

(Salary data sourced from PayScale.com)

Earnings Details

Telecom industries, transportation network, IT industries, airplane & airspace manufacturing industries, and production and the distribution of power are some of the specific fields of career development.

- Electronics engineer
- IT consultant
- Network engineer
- Nuclear engineer
- Systems analyst



Recruiting Companies

- *BHEL*
- *NSPCL*
- *Power Grid Corporation of India Ltd*
- *SAIL*
- *NTPC*
- *ISRO*
- *OMEGA Elevator*
- *CONE Elevator*
- *ALSTOM India Power project*
- *Everest Industry*
- *L&T Construction and STEEL*
- *Tata Motors*
- *Tata Steel & Power Limited*
- *State Electricity Board*
- *GAIL*
- *Hindustan Motor*