

# Basic electrical engineering notes by v k mehta

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**Which basic electrical engineering book is best?**

**What are the basic fundamentals for electrical engineering?** Ohm's Law gives the correlation between electric current (I), Voltage (V), and resistance (R) in a conductor. These are the fundamental principles of electrical engineering which student who want to pursue electrical engineering should be aware.

**What are the basics an electrical engineer should know?**

**Who is the father of basic electrical engineering?** The father of electrical engineering: Michael Faraday As he gained an interest in science, he started to attend scientific lectures. He was especially interested in electricity, galvanism, and mechanics. Eventually, he attended four lectures given by Humphry Davy, which marked the start of his scientific career.

**What is the hardest subject in electrical engineering?**

**Which branch of electrical engineering is the hardest?** What is the most difficult electrical engineering sub-discipline/concentration ? Although this is a biased answer, but I think computer engineering is the hardest concentration/sub-discipline. I say this because you have to know hardware and software really well. I would say learning software is more challenging.

**How to start basic electrical engineering?**

**What is the first topic in electrical engineering?** Here are some key topics commonly included in introductory electrical engineering courses: Circuit

Analysis: Ohm's Law and Kirchhoff's Laws  
Series and parallel circuit, node and mesh analysis.  
Electricity and Magnetism: Electric charge and electric field, magnetic fields and magnetic circuits  
Electromagnetic induction.

**How do I prepare myself for electrical engineering?**

**What are the 5 golden rules of electrical engineering?** Disconnect from the mains  
• Secure against reconnection • Verify that the system is dead • Carry out earthing and short circuiting • Provide protection from adjacent live parts. In the field, these are performed exclusively by electrical specialists.

**How can I learn electrical engineering by myself?**

**What is the top skill an electrical engineer must have?** Skill #1: Proficiency in electrical circuit design  
Proficiency in electrical circuit design is the first skill that is extremely demanding for electrical engineers today. As an electrical engineer, the ability to design and analyze circuits is essential for successfully implementing electrical systems.

**What are the three major fields of electrical engineering?**

**What is the difference between EE and EEE?** EE branch stands for Electrical Engineering. and EEE stands for Electrical and Electronics Engineering.

**Was Einstein an electrical engineer?** He studied mathematics, in particular the calculus, beginning around 1891. In 1894 Einstein's family moved to Milan but Einstein remained in Munich. In 1895 Einstein failed an examination that would have allowed him to study for a diploma as an electrical engineer at the Eidgenössische Technische Hochschule in Zurich.

**Which engineering degree is the hardest?** The 'hardest' engineering majors are chemical, electrical, and aerospace engineering, based on some of the key areas of difficulty we've been considering. Chemical and electrical engineering involve higher levels of abstraction.

**What is the toughest branch of engineering?** A. The hardest engineering branches in India involve chemical engineering, electrical engineering, biomedical engineering, aerospace engineering and computer engineering.

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**What is the hardest math in electrical engineering?** Electromagnetic Theory: This course covers electromagnetism, Maxwell's equations, and electromagnetic wave propagation. It is known for its demanding mathematical derivations and abstract concepts, which can feel disconnected from real-world applications.

**Which branch of electrical engineering pays the most?**

**Which is harder, electrical or electronics engineering?** Electrical engineering is probably the most complex and the broadest field of engineering, with each sub-discipline endlessly broad. Having said this, electronic engineering is a sub-discipline of electrical engineering. I think, instead of Electrical Engineering, you probably meant Power Systems Engineering.

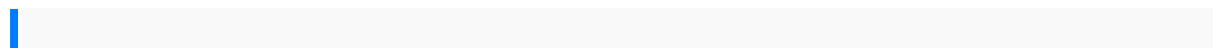
**How hard is a degree in electrical engineering?** Electrical engineering courses are often considered among the most difficult in the engineering curriculum, and they require a lot of time and effort to master. Electrical engineering students have to cope with a heavy workload, tight deadlines, and high expectations from their professors and peers.

**How do I prepare myself for electrical engineering?**

**What book should I read if I want to be a engineer?** Structures – or Why Things Don't Fall Down by J.E. This Engineering book has been read by countless people with an interest in engineering across the globe. Straightforward and relatively accessible, it is the perfect introduction for aspiring students.

**Which type of electrical engineering is best?**

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