# Skills recommended for Electrical Engineers

Critical thinking[\n]

[extend]Engineers are problem solvers. As an electrical engineer, you are often required to think logically at all times. You are required to analyse strengths and weaknesses and offer alternative solutions, approaches and conclusions to problems. Critical thinking helps to ensure everything runs smoothly and systematically.[/extend][\n]

Technological knowledge[\n]

[extend]Your life as an electrical engineer requires you to be constantly up to date with the latest technologies in your field of study and work. You must have the ability to adapt and generate equipment and technology that will serve the user’s needs.[/extend][\n]

Active learning[\n]

[extend]Having a degree is not the end of the road for an engineer. This is just the beginning of your journey of active learning. You are required to be up to date with the latest information at all times. Often, you will find yourself seeking more knowledge to meet the growing demands of this career.[/extend][\n]

Interpersonal skills[\n]

[extend]Having knowledge in electrical engineering is one thing and its application another. To be valid at your place of work, you are required to know how to relate to other people. It is important to know how to work in a team and how to relate to clients to help solve problems.[/extend][\n]

Organizational skills[\n]

[extend]As an electrical engineer, you will often find yourself in situations that require you to prioritize, manage time and plan activities. If you have poor organizational skills, you may find yourself under pressure at all times. To avoid this, you have to build a culture of having a knack for organization.[/extend][\n]

Complex problem solving skills[\n]

[extend]You will most probably face complex engineering problems in your line of work. Consequently, you need complex problem-solving skills to identify such problems and evaluate related information to develop and assess options that will offer appropriate solutions. You also need the skills to design electrical systems to solve complex problems.[/extend][\n]

Mathematics and physics skills[\n]

[extend]The practical application of engineering knowledge requires one to be good with figures. Mathematics and physics problems do not end in class. You have to use these skills consistently and keep advancing them.[/extend][\n]

Innovative thinking[\n]

[extend]Having skills in class and not using them to come up with new ideas is considered obsolete. As an electrical engineer, you have to use your skills effectively at all times. Always think out of the box and be on the lookout to come up with better ways of doing things.[/extend][\n]

Speaking /communication skills[\n]

[extend]In this field, you can never work alone. You will always be in constant communication with other engineers and technicians. This requires you to know how to communicate to explain designs and to reason clearly. You may also be required to explain complex issues to customers.[/extend][\n]

Troubleshooting[\n]

[extend]Your life as an electrical engineer will require you to manage systems and ensure they work smoothly. One of the key components is to learn how to troubleshoot. This helps to determine the causes of problems and decide how best to solve them.[/extend][\n]