



ELECTRICAL ENGINEERING

What is Electrical Engineering?

Electrical engineers harness electrical energy for human benefit. As a Western Electrical engineering student, you will embrace the study and application of electricity, electronics, and electromagnetism. Your knowledge will be applied to fields such as: electronics, digital computers, robotics, power engineering, telecommunications, control systems, and signal processing. Electrical engineering will prepare you to take on the world's power and energy challenges.

Power the future



CAREER POSSIBILITIES

- Bioengineering
- Consumer Electronics
- Telecommunications
- Power Systems

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NIKITA BABAILOV BESc. '16 HBA. '16

Data Scientist, RN Financial Corporation

- International Exchange, St. Petersburg, Russia
- Year-Long Internship
- Combined Degree - Ivey HBA

“ I work with a team of brilliant minds and every day presents new challenges, but the design thinking and analytical rigour practiced at Western has well-equipped me. I'm happy I made the decision to study in London. I chose my program very carefully knowing full well that I had a long way to grow personally, academically, and professionally. Western Engineering allowed me to keep my options open through its combined degree and internship opportunities, and explore career paths I did not know existed or knew little about. ”



WESTERN'S ELECTRICAL ENGINEERING

All Western Engineering students must complete a common first year. Courses include: Applied Mathematics — Calculus, Applied Mathematics — Linear Algebra, Business for Engineers, Chemistry, Computer Programming Fundamentals, Foundations of Engineering Practice, Physics, Properties of Materials and Statics. Upon completing first year, students may apply to the Electrical Engineering program.

Electrical Engineering

Electrical engineering deals with the study and application of electricity, electronics, and electromagnetism. It covers a wide range of subfields including electronics, digital computers, power engineering, telecommunications, control systems, and signal processing. The Electrical Engineering program allows students to explore a wide variety of courses in theory and design, ranging from the operation and design of communication systems and data networks, the application of conventional power systems, as well as insight into modern and alternative sources of electric power generation. Western's Electrical Engineering program ensures that students have a solid background and skillset to work across many fields and are prepared to take on the world's energy challenges.

