What is Electrical and Electronic Engineering (EEE)?

EEE involves the generation, storage and use of electricity, and transmission and transformation of information.

Electrical engineers
• find new ways to generate power from renewable energy sources (wind, solar, hydro),
• more efficient ways of using electric power,
• design information and communication technology systems (wireless mobile phone and internet networks), and
• design nano-scale electronic devices and materials.

Is Electrical and Electronic Engineering the degree for me?

If you are interested in the following subjects and areas, EEE might be for you:
• Science
• Mathematics
• Our physical world
• Problem solving
• Creative thinking
• People

What and how will I learn at UC?

EEE involves the generation, storage and use of electricity.

Areas you can study include:
• Electronics
• Software
• Hardware
• Signal processing
• Communications
• Power Electronics
• Power systems engineering (including renewable energy)
• Nanotechnology
• Biomedical imaging
• Embedded systems
• Control

The “Wacky Races” is just one of the group projects you will take part in. For this project you and your team have to build and race a microprocessor controlled vehicle. The races are chaotic and hugely popular among our students.

What jobs do Electrical and Electronic Engineers do?

EEE graduates work in a diverse range of industries. These can range from alternative power generation to telecommunications to designing new technology for next generation electronics.