Electrical and Computer Engineering

RMIT University's electrical and computer engineering program offers Year 11 & 12 students the chance to see how engineering is changing the way we live.

You will explore and build your understanding of engineering through a series of hands-on workshops, while gaining a feel for university life.

The electrical and computer engineering program introduces you to engineering technologies that have had a significant impact on modern society. Electrical and computer engineering covers a broad range of technologies from computer systems, network and communications, through to electrical, biomedical and electronic engineering.

You will take part in four of the following practical sessions:

Session 1: iRobots
You will learn about the challenges facing robot design and get hands-on experience creating your own robots.

Session 2: Digital film
You will be given an interactive demonstration of the technology used in TV and digital film production.

Session 3: High voltage
You will learn about high voltage safety, testing and distribution.

Session 4: Radio bugs
You will build your own FM transmitter and learn about wireless communications.

Session 5: Micro-technology
You will learn how computer chips are made and will build your own small lab-on-a-chip.

Session 6: Satellite dish on roof
You will learn more about satellite systems, locate a particular satellite and connect the equipment required (weather permitting).

To find out more about a career in power engineering check out www.rmit.edu.au/seh/experience

Date
Monday 4th and Tuesday 5th July 2011 (identical days)

Time
9 am (sharp start) - 4 pm

Cost
Free - lunch by Dimension Data
One iPad for one lucky winner each day - Dimension Data

Registration
Closing date: 20th June 2011
Register online: www.rmit.edu.au/seh/experience
Registration is in Building 10 Level 9
Room 3

Location
Electrical & Computer Engineering
Tel. +61 3 9925 2766

EXPERIENCE ENGINEERING

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Location: RMIT University City Campus Building 10, Level 9