ELECAS8621
Master of Engineering in Electrical Engineering

Program structure checklist

Never Stand Still | Engineering | School of Electrical Engineering & Telecommunications

Students have to complete 16 courses (96 UOC), normally over the 2-year period, from the following list:

Six Disciplinary Electives	▪ *Microsystems*: ELEC4601 Digital and Embedded Systems Design ; ELEC4602 Microelectronic Design and Technology ; ELEC4603 Solid State Electronics ; ELEC4604 RF Electronics ▪ *Energy Systems*: ELEC4611 Power System Equipment ; ELEC4612 Power System Analysis ; ELEC4613 Electrical Drive Systems ; ELEC4614 Power Electronics ; ELEC4617 Power System Protection ▪ *Signal Processing*: ELEC4621 Advanced Digital Signal Processing; ELEC4622 Multimedia Signal Processing ▪ *Control Systems*: ELEC4631 Continuous - Time Control System Design ; ELEC4632 Computer Control Systems ; ELEC4633 Real - Time Engineering
Five Advanced Disciplinary Electives	▪ *Microsystems*: ELEC9701 Mixed Signal Microelectronic Design ; ELEC9702 Radio Frequency Integrated Circuit Design ; ELEC9703 Microsystems Design and Technology ; ELEC9704 VLSI Technology ; ELEC9705 Quantum Devices ▪ *Energy Systems*: ELEC9711 Power Electronics for Renewable & Distributed Generation ; ELEC9712 High Voltage Systems ; ELEC9713 Industrial and Commercial Power Systems ; ELEC9714 Electricity Industry Planning and Economics ; ELEC9715 Electricity Industry Operation and Control ; ELEC9716 Electrical Safety ▪ *Signal Processing*: ELEC9721 Digital Signal Processing Theory and Applications ; ELEC9722 Digital Image Processing ; ELEC9723 Speech Processing ▪ *Control Systems*: ELEC9731 Robust and Linear Control Systems ; ELEC9732 Analysis and Design of Non-linear Control ; ELEC9733 Real Computing and Control ▪ *Special Topics in Electrical Engineering*: ELEC9781 ; ELEC9782
Two Management Electives	GSOE9420 Project Management in Engineering and Research GSOE9445 Entrepreneurial Engineering GSOE9510 Ethics and Leadership in Engineering GSOE9747 Innovation and Commercialisation for Engineers GSOE9820 Project Management
1 Design course	ELEC9123 Design Proficiency
ME Project A	ELEC9120 Enroll in 1st semester of 2nd year
ME Project B	ELEC9121 Enroll in 2nd semester of 2nd year
Industrial Training (IT)	Need to get IT (60 working days) and submit an IT report; recommend to do work experience by the end of your 1st year

Note: check available courses offered in each semester from this site: http://classutil.unsw.edu.au/