

Bachelor of Engineering in the field of electrical and computer systems

Student ID		Student name	
Course code	0032	Year commenced course	
Course version	For students who commenced second year in 2006 onwards.		
Credit points	192 points (32 x 6 point units)		
Duration of degree	4 years full time, 8 years part time		
Time limit	8 years. Students have eight years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the eight years.		
Honours	Students are awarded a degree with honours for meritorious performance throughout the course. No additional time is required.		
Course adviser	http://www.eng.monash.edu.au/current-students/course-information.html#1		

Students should bring this course map with them when they seek course advice.

Second year	Mark	Grade
<input type="checkbox"/> ECE2011 Signal processing		
<input type="checkbox"/> ECE2021 Electromagnetism		
<input type="checkbox"/> ECE2041 Telecommunications		
<input type="checkbox"/> ECE2061 Linear electronics		
<input type="checkbox"/> ECE2062 Switching electronics		
<input type="checkbox"/> ECE2071 Computer organisation and programming		
<input type="checkbox"/> ECE2072 Digital systems		
<input type="checkbox"/> ENG2092 Advanced engineering mathematics B		
Third year	Mark	Grade
Core units		
<input type="checkbox"/> ECE3022 Wireless and guided EM or ECE3051 Electrical power engineering		
<input type="checkbox"/> ECE3031 Control systems or ECE3073 Computer systems		
<input type="checkbox"/> ECE3091 Engineering design		
<input type="checkbox"/> ECE3092 Systems engineering and reliability analysis		
<input type="checkbox"/> ECE3093 Optimisation estimation and numerical methods		
Elective units		
18 credit points of electives from the ECSE elective list below:		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Fourth year	Mark	Grade
Core units		
<input type="checkbox"/> ECE4094 Project A		
<input type="checkbox"/> ECE4095 Project B		
<input type="checkbox"/> ECE4099 Professional practice		
Select the two units not already selected from:		
<input type="checkbox"/> ECE3022 Wireless and guided EM or ECE3051 Electrical power engineering		
<input type="checkbox"/> ECE3031 Control systems or ECE3073 Computer systems		
Elective units		
18 credit points of electives from the ECSE elective list below:		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
ECSE electives		
Elective units are selected from the following units. Note that no all units will be taught in any year, and many will be offered only in alternative year. One of the elective units may, with the written permission of the head of department, be a unit chosen from elsewhere in the university, provided the unit does not substantially duplicate material already studied.		
<input type="checkbox"/> ECE4012 Applied digital signal processing		
<input type="checkbox"/> ECE4023 Radio frequency electronics		
<input type="checkbox"/> ECE4024 Wireless communications		
<input type="checkbox"/> ECE4032 Advanced control		
<input type="checkbox"/> ECE4033 Industrialisation processes		
<input type="checkbox"/> ECE4042 Communications theory		
<input type="checkbox"/> ECE4043 Optical communications		
<input type="checkbox"/> ECE4044 Telecommunications protocols		
<input type="checkbox"/> ECE4045 Network performance		
<input type="checkbox"/> ECE4053 electrical energy – generation and supply		
<input type="checkbox"/> ECE4054 Electrical energy – power converters and motor control		
<input type="checkbox"/> ECE4055 Electrical energy – power electronic applications		
<input type="checkbox"/> ECE4058 Electrical energy – high voltage engineering		
<input type="checkbox"/> ECE4063 Large scale digital design		
<input type="checkbox"/> ECE4064 Electronic test technology		
<input type="checkbox"/> ECE4074 Advanced computer architecture		
<input type="checkbox"/> ECE4075 Real time embedded systems		
<input type="checkbox"/> ECE4076 Computer vision		
<input type="checkbox"/> ECE4077 Advanced computing techniques		
<input type="checkbox"/> ECE4078 Intelligent robotics		
<input type="checkbox"/> ECE4081 Medical instrumentations		
<input type="checkbox"/> ECE4084 Biomechanics of human musculoskeletal systems		
<input type="checkbox"/> ECE4086 Medical imaging technology		
<input type="checkbox"/> ECE4087 Medical technology innovation		

Professional requirements		
Students may not graduate until they have completed their work experience and submitted a satisfactory report on the experience.		
<input type="checkbox"/> 12 weeks approved engineering work experience		
<input type="checkbox"/> Report submitted to department and approved		
LAN requirements (for Malaysia campus students only)		
Students who finish their program at the Malaysia campus must also complete the Malaysia National Accreditation Board (Lembaga Akreditasi Negara) LAN requirements before they can course complete and graduate		
<input type="checkbox"/> LAN requirements		

Every effort has been made to ensure that the information provided is correct at the time of publication.
 Monash University reserves the right to alter this information should the need arise. October 2007