

Bachelor of Chemical Engineering (Honours)	
CODE	NAME
3rd Year	
ENG1012	Engineering design
CHE3161	Chemistry and chemical thermodynamics
CHE3165	Separation processes
CHE3162	Process control
CHE3164	Reaction engineering
CHE3166	Process design
	Two Engineering level 3 or 4 chemical engineering technical electives
4th Year	
NE4701	Final year project A
CHE4162	Particle technology
CHE4161	Engineer in society
ENG4702	Final year project B
CHE4170	Design Project (12 points)
	Two Engineering minor or level 3, 4 or 5 chemical engineering technical electives

Bachelor of Civil Engineering (Honours)	
CODE	NAME
3rd Year	
CIV2282	Transport and traffic engineering
CIV4286	Project management for civil engineers
CIV3294	Structural design
CIV3285	Engineering hydrology
CIV3283	Road engineering
CIV3221	Building structures and technology
CIV3247	Geomechanics 2
	One Engineering level 3 or 4 civil engineering technical elective
4th Year	
ENG4701	Final year project A
CIV4249	Foundation engineering
CIV4280	Bridge design and assessment
ENG4702	Final year project B
CIV4212	Civil and environmental engineering practice
CIV4288	Water treatment
	Two Engineering level 3, 4 or 5 civil engineering technical electives

Bachelor of Materials Engineering (Honours)	
CODE	NAME
3rd Year	

ENG2005	Advanced engineering mathematics
MTE3102	Plasticity of metals and alloys
MTE3101	Materials in a complex world 1: People, projects and data
MTE3202	Functional materials 2
MTE3203	Introduction to ceramics: Properties, processing and applications
MTE3201	Materials in a complex world 2: Characterisation, identification and selection
	Two Engineering level 3 or 4 materials engineering technical electives
4th Year	
ENG4701	Final year project A
MTE4102	Advanced materials processing and manufacturing
MTE4101	Integrated design project
ENG4702	Final year project B
	One Level 4 or 5 MTE-coded materials engineering core elective
MTE4201	Materials in a complex world 3: Impact in society
	Two Engineering level 3, 4 or 5 materials engineering technical electives

Bachelor of Mechanical Engineering (Honours)	
CODE	NAME
3rd Year	
MEC3455	Solid mechanics
MEC3451	Fluid mechanics 2
MEC3456	Engineering computational analysis
MEC3453	Dynamics 2
MEC3416	Machine design
MEC3457	Systems and control
	Two Engineering level 3 or 4 mechanical engineering technical electives
4th Year	
ENG4701	Final year project A
MEC4404	Professional practice
MEC4408	Thermodynamics and heat transfer
ENG4702	Final year project B
MEC4407	Design project
MEC4426	Computer-aided design
	Two Engineering level 3, 4 or 5 mechanical engineering technical electives

Bachelor of Chemical Engineering (Honours) - For Bioprocess Students	
CODE	NAME
ENG1012	Engineering design

CHE3161	Chemistry and chemical thermodynamics
CHE3162	Process control
CHE3164	Reaction engineering
CHE3165	Separation processes
CHE3166	Process design
CHE4162	Particle technology
CHE4170	Design project
ENG4701	Final year project A
ENG4702	Final year project B
ENG0001	Engineering continuous professional development
	One Professional Practice domain unit
Required Electives	
CHE3163	Sustainable processing 1
CHE3172	Nanotechnology and Materials 1
CHE4173	Sustainable processing 2
CHE4172	Nanotechnology and Materials 2

Bachelor of Environmental Engineering (Honours)	
CODE	NAME
3rd Year	
ENE4043	Quantifying sustainability in urban systems
CIV3285	Engineering hydrology
BTX3100	Sustainability regulation for business
ENE3606	The air environment
ENE3032	Fate and transport of contaminants
ENE3031	Building sustainability
	Two Engineering minor or level 3 or 4 environmental engineering technical electives
4th Year	
NEG4701	Final year project A
ENE4042	Environmental impact and risk assessment
ENG4702	Final year project B
CIV4212	Civil and environmental engineering practice
ENE4041	Soil remediation and solid waste management
	One Professional Practice domain unit
	Two Engineering minor or level 3 or 4 environmental engineering technical electives

Bachelor of Electrical and Computer Systems Engineering (Honours)	
CODE	NAME
ECE3051	Electrical energy systems
ECE3073	Computer systems
ECE3141	Information and networks
ECE4191	Engineering integrated design
ENG4701	Final year project A
ENG4702	Final year project B

ENG0001	Engineering continuous professional development
	One Professional Practice domain unit
	Two ECE-coded level 4 or 5 elective units from the ECSE technical electives list
	Three engineering level 3 or 4 elective unit from the ECSE technical electives list
	Two engineering level 3, 4 or 5 elective units from the ECSE technical electives list
Electrical and computer systems engineering technical electives list	
TRC2001	Introduction to systems engineering
ECE3093	Optimisation and numerical methods for engineers
ECE3142	Digital communication
MEC3459	Materials selection for engineers
MEC3601	Mechanics for biomedical engineering
RSE3141	Solar energy
TRC3500	Sensors and artificial perception
ECE4024	Wireless communications
ECE4032	Advanced control
ECE4043	Optical communications
ECE4044	Telecommunications protocols
ECE4045	Network performance
ECE4053	Power system analysis
ECE4055	Power electronic converters
ECE4058	Electrical energy - high voltage engineering
ECE4063	Large scale digital design
ECE4075	Real time embedded systems
ECE4076	Computer vision
ECE4078	Intelligent robotics
ECE4081	Medical instrumentation
ECE4086	Medical imaging technology
ECE4087	Medical technology innovation
ECE4122	Advanced electromagnetics
ECE4146	Multimedia technologies
ECE4179	Neural networks and deep learning
ECE4808	Microsystems and semiconductor fabrication
ECE4809	Solid state lighting
ECE4810	Internet of things: Communication, data and security
ECE4886	Smart grids
ENG4700	Engineering technology for biomedical imaging and sensing
MEC4601	Implantable devices
ECE5156	Advanced power electronics*
ECE5881	Real-time system design*
ECE5882	Advanced electronics design*
ECE5883	Advanced signal processing*

ECE5884	Wireless communications*
MEC5885	Energy efficiency and sustainability engineering*
MEC5886	Sustainable energy technologies*

Bachelor of Architecture Design	
CODE	NAME
July Intake	
3rd Year	
ARC2001	Architecture design studio 3
OHS1000	Introduction to art and design health and safety
BLK1000	Indigenous Australian creative practice and ways of knowing
ARC2002	Architecture design studio 4
ARC2401	Positions and dialogues in architecture 1
ARC3501 or general elective	Advanced studies in architecture A, or general elective
4th Year	
ARC3001	Architecture design studio 5
ARC3101	Architectural performance 3
ARC3401	Positions and dialogues in architecture 2
ARC3002	Architecture design studio 6
ARC3102	Architectural performance 4: Integrated design
ARC3502 or general elective	Advanced studies in architecture BA, or general elective
February Intake	
3rd Year	
ARC2001	Architecture design studio 3
OHS1000	Introduction to art and design health and safety
BLK1000	Indigenous Australian creative practice and ways of knowing
ARC3501 or general elective	Advanced studies in architecture A, or general elective
ARC2002	Architecture design studio 4
ARC3301	Architecture communications 3
ARC3101	Architectural performance 3
4th Year	
ARC3001	Architecture design studio 5
ARC3102	Architectural performance 4: Integrated design
ARC2401	Positions and dialogues in architecture 1
ARC3002	Architecture design studio 6
ARC3401	Positions and dialogues in architecture 2
ARC3502 or general elective	Advanced studies in architecture BA, or general elective