

Bachelor of Engineering LBIF (2012)

Note: First year common to all streams

Program Code: LBIF	Area + Cat No	Units	School code(s)
Year 1			
Period 2			
Mathematical Methods for Engineers 1	MATH 1063	4.5	MAT
Engineering Materials	RENG 1005	4.5	NBE
Computer Techniques	COMP 1036	4.5	CIS/AME
Sustainable Engineering Practice	ENGG 1003	4.5	NBE
Period 5			
Mathematical Methods for Engineers 2	MATH 1064	4.5	MAT
Electrical and Energy Systems	EEET 1025	4.5	EIE
Mechanics and Physics	EEET 1024	4.5	EIE/AME
Engineering Design and Innovation	ENGG 1004	4.5	AME

Stream E: Electronics and Communications - Electronics			
	Area + Cat No	Units	School code(s)
Year 2			
Period 2			
Programming for Engineers	COMP 1041	4.5	CIS
Electrical Circuit Theory	EEET 1003	4.5	EIE
Analog and Digital Electronic Fundamentals	EEET 2043	4.5	EIE
Calculus 3	MATH 2026	4.5	MAT
Period 5			
Principles of Computer Systems	EEET 1007	4.5	EIE
Electronic Devices and Circuits	EEET 2018	4.5	EIE
Programming Fundamentals	COMP 1040	4.5	CIS
Methods of Applied Mathematics 1	MATH 2028	4.5	MAT
Year 3			
Period 2			
IT Physics	PHYS 2002	4.5	EIE
Computer Hardware	EEET 2022	4.5	EIE
Digital Devices and Systems	EEET 3038	4.5	EIE
Signals and Systems	EEET 3041	4.5	EIE
Period 5			
Introduction to Communication Systems	EEET 3028	4.5	EIE
Computer Communications and Networks	EEET 3025	4.5	EIE
Real Time Systems and Control	EEET 3040	4.5	EIE
Professional Engineering Practice E	EEET 3033	4.5	EIE
Practical Industrial Experience Report	EEET 3031	0	EIE
Year 4			
Period 2			
Electronic Filters and Amplifiers	EEET 4062	4.5	EIE
VLSI Design G	EEET 4045		
Microengineering Technology	EEET 4061	4.5	EIE
Electrical and Information Engineering Project 1/1H	EEET 4048/ EEET 4049	4.5	EIE
Period 5			
Real Time Systems and Control	EEET 3040	4.5	EIE
Systems Engineering	EEET 3034	4.5	EIE
Elective (see Note 1)		4.5	
Electrical and Information Engineering Project 2/2H	EEET 4050/ EEET 4051	4.5	EIE

Notes

1. This program includes elective courses. A list of elective courses is available from the UniSA website via <http://www.unisanet.unisa.edu.au/programs>. The selection will be subject to availability and satisfaction of pre-requisite requirements.
2. All students must complete a period of industrial experience in a relevant industry prior to graduation. This program requires a minimum of 12 weeks of industrial experience in a relevant industry, which would normally be obtained from the second year of the program onwards. Assessment in the course Practical Industrial Experience Reports will remain incomplete until the student submits a written report and receives a pass.
3. The list of available technical electives is posted on the EIE School web page at www.unisa.edu.au/eie during enrolment time. Availability is contingent on sufficient enrolment.
4. If required for overseas professional accreditation purposes, students may elect to graduate with alternative nomenclature, e.g. Bachelor of Engineering (Electronic Engineering).