

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

Bachelor of Engineering (Optical and Electronic) - LBIF

Stream O: Optical and Electronic Program Code: LBIF	Area + Cat No	Units	School code(s)
Year 2			
Period 2			
Programming for Engineers	COMP 1041	4.5	CIS
Electrical Circuit Theory	EEET xxxx	4.5	EIE
Analogue 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			
Computer Hardware	EEET 2022	4.5	EIE
IT Physics	PHYS 2002	4.5	EIE
Signals and Systems	EEET 3041	4.5	EIE
Lasers and Optics	PHYS 3001	4.5	EIE
Period 5			
Professional Engineering Practice E	EEET 3033	4.5	EIE
Optical Engineering Elective 1 (see note 1)		4.5	EIE
Optical Engineering Elective 2 (see note 1)		4.5	EIE
Applied Physics Project A	PHYS 3002	4.5	EIE
Practical Industrial Experience Reports (see Note 2)	EEET 3031	0	EIE
Year 4			
Period 2			
Modern Physics	PHYS 3004	4.5	EIE

Stream O: Optical and Electronic Program Code: LBIF	Area + Cat No	Units	School code(s)
Microengineering Technology	EEET 4061	4.5	EIE
University Elective (Note 3)		4.5	
Electrical and Information Engineering Project 1 OR Electrical and Information Engineering Project 1H	EEET 4048 EEET 4049	4.5	EIE
Period 5			
Optical Engineering Elective 3 (see note 1)		4.5	EIE
Systems Engineering	EEET 3034	4.5	EIE
Optical Engineering Elective 4 (see note 1)		4.5	EIE
Electrical and Information Engineering Project 2 OR Electrical and Information Engineering Project 2H	EEET 4050 EEET 4051	4.5	EIE
Optical Engineering Electives			
Solar Technologies	EEET 3035	4.5	EIE
Optical Communications G	EEET 4046	4.5	EIE
Optical Materials and Applications	EEET 3037	4.5	EIE
Lasers, Optoelectronics and Applications	EEET 3036	4.5	EIE
Introduction to Microelectromechanical Systems	EEET 4047	4.5	EIE
Notes:			
<ol style="list-style-type: none"> 1. The Optical Engineering Electives will be one from the list of optically based courses. Optical engineering related courses from ANU may be taken subject to the Program Directors approval. Availability of elective courses is contingent on sufficient enrolment and not all Optical Engineering Electives are offered every year 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 Elective is a course freely chosen by students from any school or program within the University of South Australia. 4. If a core course is unavailable in a particular year, students may, with the approval of the Program Director, select an alternative course from the list of technical electives. 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 5. If required for overseas professional accreditation purposes, students may elect to graduate with alternative nomenclature, e.g. Bachelor of Engineering (Electronic Engineering). 6. Students are not permitted to enrol directly into Project 1H and 2H. They will be transferred into these once they have met the criteria for entry to the degree with honours 			