

**Bachelor of Engineering LBIF (2012)**  
**Note: First year common to all streams**

<b>Program Code: LBIF</b>	<b>Area + Cat No</b>	<b>Units</b>	<b>School code(s)</b>
<b>Year 1</b>			
<b>Period 2</b>			
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
<b>Period 5</b>			
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
<b>Stream D: Electrical and Mechatronic Program Code: LBIF</b>	<b>Area + Cat No</b>	<b>Units</b>	<b>School code(s)</b>
<b>Year 2</b>			
<b>Period 2</b>			
Mechanical Engineering Practice N	MENG 2009	4.5	AME
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
<b>Period 5</b>			
Principles of Computer Systems	EEET 1007	4.5	EIE
Electronic Devices and Circuits	EEET 2018	4.5	EIE
Electromechanics	EEET 2044	4.5	EIE
Methods of Applied Mathematics 1	MATH 2028	4.5	MAT
<b>Year 3</b>			
<b>Period 2</b>			
Computer Hardware	EEET 2022	4.5	EIE
OR			
IT Physics	PHYS 2001		
Electromotion	EEET 3032	4.5	EIE
Signals and Systems	EEET 3041	4.5	EIE
Programming for Engineers	COMP 1041	4.5	EIE
<b>Period 5</b>			
Mechatronic System Integration	EEET 3044	4.5	EIE
Electrical Power Systems	EEET 4057	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
<b>Year 4</b>			
<b>Period 2</b>			
Digital Devices and Systems	EEET 3038	4.5	EIE
Electrical Power Systems	EEET 4057	4.5	EIE
Mechatronics 1	EEET 3008	4.5	EIE
Electrical and Information Engineering Project 1/1H	EEET 4048/ EEET 4049	4.5	EIE
<b>Period 5</b>			
Real Time Systems and Control	EEET 3040	4.5	EIE
Mechatronic System Integration	EEET 3044	4.5	EIE
Power System Operation and Control OR	EEET 5034	4.5	EIE

Advanced Power Electronics Electrical and Information Engineering Project 2/2H	EEET 5030 EEET 4050/ EEET 4051	4.5	EIE
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## 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](http://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).