

## Bachelor Engineering (Honours) / Master Engineering (Electrical Engineering) - 3736 - T1 2026 Start

**Program:** BE (Hons) ME Elec Eng [3736]

### Year 1 Term 1

Course or Activity	Prerequisites	Credits
DESN1000 Introduction to Engineering Design and Innovation		6
ELEC1111 Electrical Circuit Fundamentals		6

### Year 1 Term 2

Course or Activity	Prerequisites	Credits
PHYS1131 Higher Physics 1A		6
<i>MATH1131 or MATH1141</i>		6
<i>Broadening Discipline Electives</i>		6

### Year 1 Term 3

Course or Activity	Prerequisites	Credits
COMP1511 Programming Fundamentals		6
PHYS1231 Higher Physics 1B	PHYS1131	6
<i>MATH1231 or MATH1241</i>		6

### Year 2 Term 1

Course or Activity	Prerequisites	Credits
ELEC2134 Circuits and Signals	ELEC1111	6
ELEC2141 Digital Circuit Design		6

### Year 2 Term 2

Course or Activity	Prerequisites	Credits
DESN2000 Engineering Design and Professional Practice	ELEC2141, DESN1000, COMP1511	6
ELEC2133 Analogue Electronics	ELEC2134	6
MATH2099 Mathematics 2B		6

### Year 2 Term 3

Course or Activity	Prerequisites	Credits
ELEC2117 Electrical Systems Design	ELEC2141, ELEC1111, COMP1511	6
ELEC3104 Digital Signal Processing	ELEC2134	6

MATH2069 Mathematics 2A		6
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### Year 3 Term 1

Course or Activity	Prerequisites	Credits
ELEC3115 Electromagnetic Engineering	PHYS1231, MATH2069	6
<i>Broadening Discipline Electives</i>		6

### Year 3 Term 2

Course or Activity	Prerequisites	Credits
ELEC3105 Electrical Energy	ELEC3115, ELEC2134	6
ELEC3114 Control Systems	ELEC2134, MATH2099	6
ELEC3117 Electrical Engineering Design	ELEC2133	6

### Year 3 Term 3

Course or Activity	Prerequisites	Credits
<i>Broadening Discipline Electives</i>		6
<i>Level 3 Discipline Elective</i>		6
<i>Engineering and Technical Management Electives</i>		6

### Year 4 Term 1

Course or Activity	Prerequisites	Credits
ELEC4122 Strategic Leadership and Ethics		6
ELEC4951 Research Thesis A		4
<i>Level 4 Discipline Elective</i>		6

### Year 4 Term 2

Course or Activity	Prerequisites	Credits
ELEC4952 Research Thesis B	ELEC4951	4
<i>Level 4 Discipline Elective</i>		6
<i>Broadening Discipline Electives</i>		6

### Year 4 Term 3

Course or Activity	Prerequisites	Credits
ELEC4123 Electrical Design Proficiency		6
ELEC4953 Research Thesis C	ELEC4952	4
<i>BE (Hons) ME Elec Eng [3736]</i>		6

### Year 5 Term 1

Course or Activity	Prerequisites	Credits
ELEC9451 Masters Project A		4
<i>Level 4 Discipline Elective</i>		6
<i>Level 5 Discipline Elective</i>		6

### Year 5 Term 2

Course or Activity	Prerequisites	Credits
ELEC9452 Masters Project B	ELEC9451	4
<i>Level 5 Discipline Elective</i>		6
<i>Level 5 Discipline Elective</i>		6

### Year 5 Term 3

Course or Activity	Prerequisites	Credits
ELEC9453 Masters Project C	ELEC9452	4
ENGG4999 Industrial Training		0
<i>BE (Hons) ME Elec Eng [3736]</i>		6
<i>Level 5 Discipline Elective</i>		6