



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

MANIPAL ACADEMY OF HIGHER EDUCATION UNIVERSITY (MAHE)

BACHELOR OF SCIENCE (ELECTRICAL & ELECTRONICS)

Students granted the maximum credit transfer will be exempt from the following UOW subjects:

Inst. Code	Institution Subject Name	UOW Code	UOW Subject Name	Credit Points
<i>IMA 111</i> <i>AND</i> <i>IMA 121</i> <i>OR</i> <i>MA 111</i> <i>AND</i> <i>MA 121</i>	<i>Mathematics – I</i> <i>Mathematics – II</i> <i>Mathematics – I</i> <i>Mathematics – II</i>	MATH141 MATH142	Foundations of Engineering Mathematics Essentials of Engineering Mathematics	6 6
<i>MA 121</i> <i>AND</i> <i>MA 231</i>	<i>Mathematics – II</i> <i>Mathematics – III</i>	MATH291	Differential Equations	3
<i>IPH 111</i> <i>AND</i> <i>IPH 121</i> <i>OR</i> <i>PH 111</i> <i>AND</i> <i>PH 121</i>	<i>Physics – I</i> <i>Physics – II</i> <i>Physics – I</i> <i>Physics – II</i>	PHYS143	Physics for Engineers	6
<i>ICE 111</i> <i>OR</i> <i>CE 111</i>	<i>Mechanics of Solids</i> <i>Engineering Statics & Dynamics</i>	ENGG102	Fundamentals of Engineering Mechanics	6
<i>HS 121</i> <i>AND</i> <i>EN 111</i> <i>OR</i> <i>IHS 112</i> <i>AND</i> <i>IME 111</i>	<i>Human Factors in Engineering & Design</i> <i>Composition</i> <i>Communications Skills in English</i> <i>Engineering Graphics - I</i>	ENGG105	Engineering Design for Sustainability	6



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ICS 111 AND ICE 111 <u>OR</u> CS 111 AND CE 111	<i>Problem Solving Using Computers</i> <i>Mechanics of Solids</i> <i>Introduction to Computers & Programming</i> <i>Engineering Statics & Dynamics</i>	ENGG100	Engineering Computing and Analysis	6
IEE 121 <u>OR</u> EE121	<i>Elements of Electrical and Electronics Engineering</i> <i>Linear Networks in Steady State Analysis</i>	ENGG104	Electrical Systems	6
IEE 231 <u>OR</u> EE 231	<i>Network Analysis</i> <i>Linear Networks : Transient Analysis</i>	ECTE202	Circuits and Systems	6
IEC 121 AND IEC 232 <u>OR</u> EC 231	<i>Logic Design</i> <i>Digital Electronics Laboratory</i> <i>Combinational & Sequential Logic</i>	ECTE233	Digital Hardware	6
IEC 231 AND IEE 232 <u>OR</u> EC 241 AND EC 243	<i>Analog Electronics Circuits</i> <i>Circuits Simulations Lab</i> <i>Electronic Devices and Circuits</i> <i>IC Systems</i>	ECTE212	Electronics	6
IEE241 <u>OR</u> EC 244	<i>Signals and Signal Processing</i> <i>Signal Processing</i>	ECTE203	Signals and Systems	6
IEC233	<i>Electromagnetic Theory</i>	ECTE213	Engineering Electromagnetics	6



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<i>IEE243</i> AND <i>IEE244</i>	<i>Power System Analysis</i> <i>Electrical Machines</i>	ECTE324	Power Engineering 1	6
<i>IEE234</i> AND <i>IEE242</i>	<i>Microcontrollers</i> <i>Microcontroller lab</i>	ECTE333	Microcontroller Architecture and Applications	6
<i>IEC241</i> AND <i>IEC242</i> AND <i>IHS241</i>	<i>IC Systems</i> <i>Linear IC Laboratory</i> <i>Engineering Economics and Management</i>	ECTE250	Engineering Design and Management 2	6
<i>IEC 361</i> OR <i>EC 241</i>	<i>Linear and Digital Control Systems</i> <i>Control Systems</i>	ECTE344	Control Theory	6
<i>IEC/IEE 362 (opt 4)</i>	<i>Digital Signal Processing</i>	ECTE301	Digital signal processing	6
<i>IEC/IEE 362 (opt 1)</i> AND <i>IEC/IEE 363 (opt 1)</i>	<i>Analog Communication</i> <i>Digital Communication</i>	ECTE363	Communication Systems	6

Total specified credit to be awarded:	111 cp
Unspecified credit at 100-level (IME 121 Engineering Graphics-II, IHS 111 A Course on Psychology for Engineers, IHS 111 General Psychology, ICH 121 Chemistry)	6cp
Maximum eligible credit points of credit transfer	117 cp