

Bachelor Engineering (Honours) - 3707 - Renewable Energy Engineering - SOLABH - T2 2026 Start

Program: Engineering (Honours) [3707]

Year 1 Term 2

Course or Activity	Prerequisites	Credits
MATH1131 Mathematics 1A		6
SOLA1070 Sustainable Energy		6
<i>PHYS1121 or PHYS1131</i>		6

Year 1 Term 3

Course or Activity	Prerequisites	Credits
DESN1000 Introduction to Engineering Design and Innovation		6
<i>ENGG1811 or COMP1911 or COMP1511</i>		6

Year 2 Term 1

Course or Activity	Prerequisites	Credits
ELEC1111 Electrical Circuit Fundamentals		6
<i>MATH1231 or MATH1241</i>		6
<i>PHYS1221 or PHYS1231</i>		6

Year 2 Term 2

Course or Activity	Prerequisites	Credits
MATH2018 Engineering Mathematics 2D		6
SOLA2051 Project in Photovoltaics and Renewable Energy		6
<i>General Education</i>		6

Year 2 Term 3

Course or Activity	Prerequisites	Credits
DESN2000 Engineering Design and Professional Practice	DESN1000, SOLA2051	6
MATH2089 Numerical Methods and Statistics		6
SOLA2540 Applied Photovoltaics		6

Year 3 Term 1

Course or Activity	Prerequisites	Credits
MMAN2700 Thermodynamics	MATH1131	6

SOLA2060 Introduction to Electronic Devices		6
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Year 3 Term 2

Course or Activity	Prerequisites	Credits
SOLA5057 Energy Efficiency		6
<i>Strand Electives</i>		6
<i>Disciplinary Electives</i>		6

Year 3 Term 3

Course or Activity	Prerequisites	Credits
ELEC2911 Power Engineering for Renewable Energy	ELEC1111	6
<i>Strand Electives</i>		6
<i>Disciplinary Electives</i>		6

Year 4 Term 1

Course or Activity	Prerequisites	Credits
SOLA5050 Renewable Energy Industry and Policy		6
SOLA5053 Wind Energy Converters		6

Year 4 Term 2

Course or Activity	Prerequisites	Credits
SOLA4012 Photovoltaic Systems Design		6
SOLA4951 Research Thesis A		4
<i>General Education</i>		6

Year 4 Term 3

Course or Activity	Prerequisites	Credits
SOLA4952 Research Thesis B	SOLA4951	4
<i>Free Electives</i>		6
<i>Strand Electives</i>		6

Year 5 Term 1

Course or Activity	Prerequisites	Credits
ELEC4122 Strategic Leadership and Ethics		6
ENGG4999 Industrial Training		0
SOLA4953 Research Thesis C	SOLA4952	4
<i>Free Electives</i>		6