

Bachelor Engineering (Hons) / Computer Science 3785 - Renewable Energy Eng - SOLABH - T1 2026 Start

Program: Engineering (Hons) / Comp Sci [3785]

Year 1 Term 1

Course or Activity	Prerequisites	Credits
DESN1000 Introduction to Engineering Design and Innovation		6
<i>MATH1131 or MATH1141</i>		6
<i>PHYS1121 or PHYS1131</i>		6

Year 1 Term 2

Course or Activity	Prerequisites	Credits
COMP1511 Programming Fundamentals		6
SOLA1070 Sustainable Energy		6

Year 1 Term 3

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 1

Course or Activity	Prerequisites	Credits
MMAN2700 Thermodynamics		6
SOLA2060 Introduction to Electronic Devices		6
<i>MATH2018 or MATH2019</i>		6

Year 2 Term 2

Course or Activity	Prerequisites	Credits
SOLA2051 Project in Photovoltaics and Renewable Energy		6
<i>COMP1521</i>		6

Year 2 Term 3

Course or Activity	Prerequisites	Credits
DESN2000 Engineering Design and Professional Practice	COMP2521, DESN1000, COMP1511, SOLA2051	6
MATH2089 Numerical Methods and Statistics		6

SOLA2540 Applied Photovoltaics		6
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Year 3 Term 1

Course or Activity	Prerequisites	Credits
COMP1531 Software Engineering Fundamentals	COMP1511	6
SOLA5050 Renewable Energy Industry and Policy		6
SOLA5053 Wind Energy Converters		6

Year 3 Term 2

Course or Activity	Prerequisites	Credits
COMP2521 Data Structures and Algorithms	COMP1511	6
SOLA5057 Energy Efficiency		6

Year 3 Term 3

Course or Activity	Prerequisites	Credits
COMP2511 Object-Oriented Design and Programming	COMP2521, COMP1531	6
COMP3900 Computer Science Project	COMP2521, COMP1531	6
ELEC2911 Power Engineering for Renewable Energy	ELEC1111	6

Year 4 Term 1

Course or Activity	Prerequisites	Credits
ELEC4122 Strategic Leadership and Ethics		6
<i>Computing Electives</i>		6
<i>Computing Electives</i>		6

Year 4 Term 2

Course or Activity	Prerequisites	Credits
SOLA4012 Photovoltaic Systems Design		6
<i>Disciplinary Electives</i>		6

Year 4 Term 3

Course or Activity	Prerequisites	Credits
<i>Strand Electives</i>		6
<i>COMP3121 or COMP3821</i>		6
<i>Disciplinary Electives</i>		6

Year 5 Term 1

Course or Activity	Prerequisites	Credits
SOLA4951 Research Thesis A		4
<i>Strand Electives</i>		6
<i>Computing Electives</i>		6

Year 5 Term 2

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

Year 5 Term 3

Course or Activity	Prerequisites	Credits
COMP4920 Professional Issues and Ethics in Information Technology		6
ENGG4999 Industrial Training		0
SOLA4953 Research Thesis C	SOLA4952	4
<i>Computing Electives</i>		6