Bachelor Engineering (Hons)/Computer Science 3785-Photovoltaics & Solar Energy- SOLAAH-T2 2026 Start

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

Year 1 Term 2

Course or Activity	Prerequisites	Credits
COMP1511 Programming Fundamentals		6
MATH1131 or MATH1141		6
PHYS1121 or PHYS1131		6

Year 1 Term 3

Course or Activity	Prerequisites	Credits
COMP1531 Software Engineering Fundamentals	COMP1511	6
DESN1000 Introduction to Engineering Design and Innovation		6
ELEC1111 Electrical Circuit Fundamentals		6

Year 2 Term 1

Course or Activity	Prerequisites	Credits
PHYS1221 or PHYS1231		6
MATH1231 or MATH1241		6

Year 2 Term 2

Course or Activity	Prerequisites	Credits
SOLA1070 Sustainable Energy		6
SOLA2051 Project in Photovoltaics and Renewable Energy		6
MATH2018 or MATH2019		6

Year 2 Term 3

Course or Activity	Prerequisites	Credits
DESN2000 Engineering Design and Professional Practice	COMP2521, DESN1000, COMP1511, SOLA2051	6
SOLA2540 Applied Photovoltaics		6

Year 3 Term 1

Course or Activity	Prerequisites	Credits
MATH2089 Numerical Methods and Statistics		6
SOLA2060 Introduction to Electronic Devices		6

Course or Activity		Credits
COMP1521		6

Year 3 Term 2

Course or Activity	Prerequisites	Credits
COMP2521 Data Structures and Algorithms	COMP1511	6
SOLA3010 Low Energy Buildings and Photovoltaics		6
SOLA3020 Photovoltaic Technology and Manufacturing	SOLA2060, SOLA3507	6

Year 3 Term 3

Course or Activity	Prerequisites	Credits
Discipline (Depth) Electives		6
Computing Electives		6

Year 4 Term 1

Course or Activity	Prerequisites	Credits
COMP2511 Object-Oriented Design and Programming	COMP2521, COMP1531	6
SOLA3507 Solar Cells	SOLA2060, SOLA2540	6
COMP3121 or COMP3821		6

Year 4 Term 2

Course or Activity	Prerequisites	Credits
SOLA4012 Photovoltaic Systems Design		6
SOLA5057 Energy Efficiency		6
Computing Electives		6

Year 4 Term 3

Course or Activity	Prerequisites	Credits
COMP4920 Professional Issues and Ethics in Information Technology		6
Strand Electives		6

Year 5 Term 1

Course or Activity	Prerequisites	Credits
COMP3900 Computer Science Project	COMP2521, COMP1531	6
Strand Electives		6
Computing Electives		6

Year 5 Term 2

Course or Activity	Prerequisites	Credits
SOLA4951 Research Thesis A		4
Discipline (Depth) Electives		6
Strand Electives		6

Year 5 Term 3

Course or Activity	Prerequisites	Credits
SOLA4952 Research Thesis B	SOLA4951	4
Computing Electives		6
Discipline (Depth) Electives		6

Year 6 Term 1

Course or Activity	Prerequisites	Credits
ELEC4122 Strategic Leadership and Ethics		6
SOLA4953 Research Thesis C	SOLA4952	4
Computing Electives		6

Year 6 Term 3

Course or Activity	Prerequisites	Credits
ENGG4999 Industrial Training		0