Engineering

Bachelor of Engineering (Honours) / Computer Science (3785)
Photovoltaics and Solar Energy (SOLAAH) / Computer Science (COMPA1)
T1 Entry 2025 Sample Plan

Year 1

Term 1	COMP1511 Programming Fundamentals
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A
Term 2	COMP1531 Software Engineering Fundamentals
	MATS1101 Engineering Materials and Chemistry
Term 3	DESN1000 Introduction to Engineering Design and Innovation
	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B
	PHYS1121 revn BT/F43TmthMATH1241

Year 2 (untitled column)

Term 1	MATH2089 Numerical Methods and Statistics
Term 2	COMP2521 Data Structures and Algorithms
	SOLA2051 Project in Photovoltaics and Renewable Energy
Term 3	SOLA2540 Applied Photovoltaics
	COMP2511 Object-Oriented Design and Programming
	DESN2000 Engineering Design and Professional Practice

Year 3

Term 1	COMP3121 Algorithm Design and Analysis OR COMP3821 Extended Algorithm Design and Analysis
	SOLA2060 Introduction to Electronic Devices
	Stand Elective
Term 2	SOLA3010 Low Energy Buildings and Photovoltaics
	SOLA3020 Photovoltaic Technology and Manufacturing
	Computing Elective
Term 3	COMP3900 Computer Science Project
	COMP4920 Professional Issues and Ethics in Information Technology

Year 4

Term 1	SOLA3507 Solar Cells
	ELEC4122 Strategic Leadership and Ethics
	Stand Elective
Term 2	SOLA4012 Photovoltaic Systems Design
	SOLA5057 Energy Efficiency
	Computing Elective
Term 3	Discipline Elective
	Discipline Elective

Year 5

Term 1	SOLA4951 Research Thesis A
	Discipline Elective
	Computing Elective
Term 2	SOLA4952 Research Thesis B
	Discipline Elective
	Stand Elective
Term 3	SOLA4953 Research Thesis C
	Computing Elective
	Computing Elective

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training

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T3 Entry 2025 Sample Plan

	Year 1	
Term 3	COMP1511 Programming Fundamentals	
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A	
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A	
Term 1	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B	
	PHYS1221 Physics 1B OR PHYS1231 Higher Physics 1B	
	DESN1000 Introduction to Engineering Design and Innovation	
Term 2	MATS1101 Engineering Materials and Chemistry	
	COMP1521 Computer Systems Fundamentals	