



Sample Study Outline

Photovoltaics & Solar Energy Engineering

Program / Degree: [3707 B.E Hons \(Photovoltaics\)](#)

Year	Term 1	UOC	Term 2	UOC	Term 3	UOC
1 st	MATH1131 Maths 1A OR MATH1141 Higher Maths 1A	6	ENGG1811* Computing for Engineers OR COMP1511 Programming Fundamentals OR COMP1911 Computing 1A	6	PHYS1221 Physics 1B OR PHYS1231 Higher Physics 1B	6
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A	6	SOLA1070 Sustainable Energy	6	ELEC1111 Electrical Circuit Fundamentals	6
	DESN1000 Engineering Design and Innovation	6	MATH1231 Maths 1B OR MATH1241 Higher Maths 1B	6		
	Total UOC	18	Total UOC	18	Total UOC	12
2 nd	SOLA2060 Introduction to Electronic Devices	6	SOLA2051 Project in PV and RE	6	DESN2000 Engineering Design & Professional Practice	6
	MATH2018 Engineering Maths 2D OR MATH2019 Engineering Maths 2E	6	General Education Elective	6	ENGG4909 Industry Training 1	12
	SOLA2540 Applied PV	6	General Education Elective	6		
	Total UOC	18	Total UOC	18	Total UOC(6 + 12 nominal)	18
3 rd	MATH2089 Numerical Methods and Stats	6	SOLA3010 Low Energy Buildings and PV	6	Free Elective	6
	SOLA3507 Solar Cells	6	SOLA3020 PV Technology & Manufacturing	6	Strand OR Discipline Elective [#]	6
	Strand OR Discipline Elective [#]	6	Strand OR Discipline Elective [#]	6	Strand OR Discipline Elective [#]	6
	Total UOC	18	Total UOC	18	Total UOC	18
4 th	ENGG4902 Industry Training 2A	12	ENGG4903 Industry Training 2B ENGG4904 Industry Training 3A	6 6	ENGG4905 Industry Training 3B	12
	Total UOC (nominal)	12	Total UOC (nominal)	12	Total UOC (nominal)	12
5 th	SOLA4951 Thesis A	4	SOLA4952 Thesis B	4	SOLA4953 Thesis C	4
	ELEC4122 Strategic Leadership and Ethics	6	SOLA4012 PV Systems Design	6	Strand OR Discipline Elective [#]	6
	Strand OR Discipline Elective [#]	6	SOLA5057 Energy Efficiency	6	Free Elective	6
	Total UOC	16	Total UOC	16	Total UOC	16

* Students doing a Computing Strand should take COMP1911.

Students must take 18 UOC Strand Electives and 18 UOC Discipline Electives.

For Free Electives, students may select course from the Discipline (Depth) and/or Breadth Elective list to satisfy their program requirements.

Notes:

- This is a **SAMPLE** study outline only and can be subject to change.
- You must always take your Industry Training schedule into consideration when planning your course enrolment or other commitments (see diagram below).
- Discipline Electives and Strand Electives: a comprehensive list of approved Discipline Electives and Strand Electives can be viewed in the handbook <https://www.handbook.unsw.edu.au/undergraduate/specialisations/2025/SOLAAH>

Resources:

- [UNSW Handbook](#)
- [School](#)
- [Co-op program](#)

Co-op Academic Coordinator

For enrolment related questions please always contact your Co-op Academic Coordinator in the first instance:

Professor Ziv Hameiri
02 9385 9475
z.Hameiri@unsw.edu.au

For study outlines contact:
Clare Yang
Spreeteaching@unsw.edu.au

When would I be on Industry Training (IT)?

