# Sample Study Outline
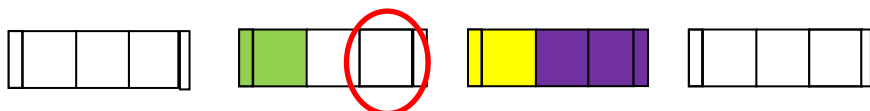# Software Engineering

**Program / Degree:** [3707 B.Engineering Hons (Software Engineering)](#)

| Year | Term 1 | UOC | Term 2 | UOC | Term 3 | UOC |
|------|--------|-----|--------|-----|--------|-----|
| 1st | DESN1000 Engineering Design and Innovation<br>MATH1131 Maths 1A **OR** MATH1141 Higher Maths 1A<br>Free Elective | 6<br>6<br>6 | COMP1511 Programming Fundamentals<br>MATH1081 Discrete Mathematics<br>MATH1231 Maths 1B **OR** MATH1241 Higher Maths 1B | 6<br>6<br>6 | COMP1531 Software Engineering Fundamentals<br>COMP2521 Data Structures and Algorithms<br>*General Education* | 6<br>6<br>6 |
| | Total UOC | 18 | Total UOC | 18 | Total UOC | 18 |
| 2nd | **SENG2991 Co-op Industry Training 1**<br>SENG2021 Requirements and Design Workshop | **6**<br>6 | MATH2400 Finite Mathematics<br>MATH2859 Probability and Statistics<br>DESN2000 Engineering Design and Professional Practice<br>COMP3311 Database Systems | 3<br>3<br>6<br>6 | COMP2511 Object-Oriented Design & Programming<br>COMP1521 Computer Systems Fundamentals<br>SENG2011 Software Engineering Workshop 2A | 6<br>6<br>6 |
| | Total UOC | 12 | Total UOC | 18 | Total UOC (nominal) | 18 |
| 3rd | **SENG3993 Co-op Industry Training 2A**<br>SENG3011 Software Engineering Workshop 3 | **6**<br>6 | **SENG3993 Co-op Industry Training 2B**<br>**SENG3994 Co-op Industry Training 3A**<br>COMP3142 Software Testing and Quality Assurance | **6**<br>**6**<br>6 | **SENG3994 Co-op Industry Training 3B**<br>COMP3331 Computer Networks and Applications | **6**<br>6 |
| | Total UOC | 12 | Total UOC | 18 | Total UOC | 12 |
| 4th | COMP4951 Research Thesis A<br>Discipline Elective<br>Software Construction Techniques and Tools | 4<br>6<br>6 | COMP4952 Research Thesis B<br>Discipline Elective Level 4<br>*General Education* | 4<br>6<br>6 | COMP4953 Research Thesis C<br>SENG4920 Management and Ethics<br>Discipline Elective Level 4 | 4<br>6<br>6 |
| | Total UOC (nominal) | 16 | Total UOC (nominal) | 16 | Total UOC (nominal) | 16 |

*NB The timing and structure of the Software Engineering Honours should be clarified with the School of Computer Science Engineering*

Other opportunities i.e. exchange

IT1: Jan – Jun (20 weeks)

IT2: Jan – Jul (24 weeks)

IT3: Jul – Dec (24 weeks)

UNSW Co-op Program Scholarship

## 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).
- Electives:
  - Discipline Electives Level 3 or higher need to make up 36 UOC. Any COMP3 or higher options are suitable.
  - Discipline Electives Level 4 or higher need to make up 12 UOC. Any COMP4 or higher options are suitable.
  - Discipline Electives (Foundational Disciplinary or Disciplinary Knowledge Courses – any level) need to make up 12 UOC
  - Discipline Elective options are listed here: https://www.handbook.unsw.edu.au/undergraduate/specialisations/2025/SENGAH
  - General Electives need to make up 12 UOC.
  - Free Electives need to make up 6 UOC.

## Resources:

- UNSW Handbook
- School
- Co-op Program Page

## Co-op Academic Coordinator

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

Flora Salim  flora.salim@unsw.edu.au

## When would I be on Industry Training (IT)?

**2025**   **2026**   **2027**   **2028**