

Term
3

Compu

COMP1521
Computer Systems Fundamentals

COMP1531
Software Engineering Fundamentals

COMP2511
Object-Oriented Design & Programming

Term

COMP2521
Data Structures and Algorithms

Computing Elective

Computing Elective

Term
1

Term
2

Term
3

Free Elective

Free Elective

COMP3900
Computer Science Project

Free Elective

Free Elective

COMP4920
Professional Issues and Ethics in Information
Technology

COMP6441 Security Engineering and Cyber
Security OR
COMP6841 Extended Security Engineering
and Cyber Security

COMP3821
Extended Algorithm Design and Analysis

Advanced Computer Science (Honours) (3779)

Security Engineering (COMPYH)

T2 Entry 2025 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 2	COMP1511 Programming Fundamentals	Term 2	COMP2511 Object-Oriented Design & Programming	Term 2	Free Elective	Term 2	COMP4961 Computer Science Thesis A
	Computing Elective		Free Elective		Free Elective		Security Engineering Elective
Term 3	MATH1141 (Higher) Mathematics 1A	Term 3	Free Elective	Term 3	General Education Course	Term 3	Advanced Computing Elective
	COMP1531 Software Engineering Fundamentals		General Education Course		COMP6441 Security Engineering and Cyber Security OR COMP6841 Extended Security Engineering and Cyber Ops		COMP4962 Computer Science Thesis B
	COMP2521 Data Structures and Algorithms		Computing Elective				Security Engineering Elective
Term 1	COMP1521 Computer Systems Fundamentals	Term 1	Computing Elective	Term 1		Term 1	Advanced Computing Elective
	MATH1081 Discrete Mathematics		Computing Elective				COMP4963 Computer Science Thesis C
	MATH1241 (Higher) Mathematics 1B		Free Elective				Security Engineering Elective

NOTES
<p>This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.</p> <p>All Level 1 and Level 2 courses are offered in each standard term and free electives can be taken in any term. If Level 1 or Level 2 core courses are full, students may take free electives first and take core courses in later terms.</p> <p style="text-align: right;">in sequence.</p> <p>Most Computing Electives require completion of COMP2521, students are recommended to complete COMP2521 in the first year of study if possible.</p> <p>*Students who completed COMP1531 and COMP2521 can take COMP2511 in Term 1 Year 2.</p>



Year 1	
Term 3	COMP1511 Programming Fundamentals
	MATH1141 (Higher) Mathematics 1A
	MATH1081 Discrete Mathematics
Term 1	MATH1241 (Higher) Mathematics 1B
	COMP1531 Software Engineering Fundamentals
	COMP2521 Data Structures and Algorithms
Term 2	COMP1521 Computer Systems Fundamentals

Year 2	
Term 3	COMP2511 Object-Oriented Design & Programming
	Free Elective
	Free Elective
Term 1	Computing Elective
	Computing Elective
	Free Elective
Term 2	Computing Elective

Year 4	
Term 3	COMP4961 Computer Science Thesis A
	Security Engineering Elective
	Advanced Computing Elective
Term 1	COMP4962 Computer Science Thesis B
	Security Engineering Elective
	Advanced Computing Elective
Term 2	COMP4963 Computer Science Thesis C