## Engineering Advanced Computer Science (Honours) (3779) Security Engineering (COMPYH) T1 Entry 2025 Sample Plan



Year 1			Year 2		Year 3		Year 4		
Term 1	COMP1511 Programming Fundamentals	Term 1	COMP2521 Data Structures and Algorithms		Free Elective	Term 1	COMP4961 Computer Science Thesis A		
	<b>MATH1141</b> (Higher) Mathematics 1A		Computing Elective	Term 1	Free Elective		Security Engineering Elective		
	MATH1081 Discrete Mathematics		Computing Elective		COMP3900		Advanced Computing Elective		
	MATH1241 (Higher) Mathematics 1B	Term 2	Computing Elective	_	Computer Science Project	Term 2	COMP4962 Computer Science Thesis B		
Term	COMP1521			Term 2	Free Elective		Security Engineering Elective		
2	Computer Systems Fundamentals		General Education Course		Free Elective				
	COMP1531 Software Engineering Fundamentals		Free Elective		COMP4920 Professional Issues and Ethics in Information		Advanced Computing Elective		
	COMP2511 Object-Oriented Design & Programming	Term 3	General Education Course		Technology	Term 3	COMP4963 Computer Science Thesis C		
Term 3	Computing Elective		Free Elective	Term 3	COMP6441 Security Engineering and Cyber Security <u>OR</u> COMP6841 Extended Security Engineering and Cyber Security		Security Engineering Elective		
ĺ					COMP3821 Extended Algorithm Design and Analysis				
NOTES	All Level 1 and Level 2 courses are courses in later terms.	offered in each		aken in any ter	ppear here. n. If Level 1 or Level 2 core courses are full, s s21, COMP1531 and COMP2521 in sequence		ake free electives first and take core		

Most Computing Electives require completion of COMP2521, students are recommended to complete COMP2521 in the first year of study if possible.

\*Students who completed COMP1531 and COMP2521 can take COMP2511 in Term 1 Year 2.

## Engineering Advanced Computer Science (Honours) (3779) Security Engineering (COMPYH) T2 Entry 2025 Sample Plan



Year 1			Year 2			Year 3		Year 4		
	COMP1511 Programming Fundamentals			COMP2511 Object-Oriented Design & Programming		Free Elective			COMP4961 Computer Science Thesis A	
Term 2	Computing Elective		Term 2	Free Elective	Term 2	Free Elective		Term 2	Security Engineering Elective	
				Free Elective		General Education Course			Advanced Computing Elective	
	MATH1141 (Higher) Mathematics 1A			General Education Course	_	COMP6441 Security Engineering and Cyber Security <u>OR</u> COMP6841 Extended Security Engineering and Cyber Security		Term 3	COMP4962 Computer Science Thesis B	
Term 3	COMP1531 Software Engineering Fundamentals		Term 3	Computing Elective	Term 3	COMP3821 Extended Algorithm Design and Analysis			Security Engineering Elective	
	COMP2521 Data Structures and Algorithms					Free Elective			Advanced Computing Elective	
	COMP1521 Computer Systems Fundamentals		Term 1	Computing Elective		COMP3900 Computer Science Project		Term 1	COMP4963 Computer Science Thesis C	
Term 1	MATH1081 Discrete Mathematics			Computing Elective	Term 1	<b>COMP4920</b> Professional Issues and Ethics in Information Technology			Security Engineering Elective	
	MATH1241 (Higher) Mathematics 1B			Free Elective						
NOTES	All Level 1 and Level 2 courses are courses in later terms. COMP1511 is expected to be comp Most Computing Electives require co	offered leted b omplet	ed in each by the en etion of C0		ken in any ter take COMP1 omplete COM	m. If Level 1 or Level 2 core courses are full, 521, COMP1531 and COMP2521 in sequenc		ents may t	ake free electives first and take core	

Information is correct as of October 2024 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

## Engineering Advanced Computer Science (Honours) (3779) Security Engineering (COMPYH) T3 Entry 2025 Sample Plan



	Year 1		Year 2		Year 3		Year 4			
Term 3	COMP1511 Programming Fundamentals		COMP2511 Object-Oriented Design & Programming		COMP4920 Professional Issues and Ethics in Information Technology	Term 3	COMP4961 Computer Science Thesis A			
	MATH1141 (Higher) Mathematics 1A	Terr 3	Free Elective	Term 3	COMP3821 Extended Algorithm Design and Analysis		Security Engineering Elective			
	MATH1081 Discrete Mathematics		Free Elective	3	COMP6441 Security Engineering and Cyber Security <u>OR</u>		Advanced Computing Elective			
	MATH1241 (Higher) Mathematics 1B		Computing Elective		COMP6841 Extended Security Engineering and Cyber Security	Term 1	COMP4962 Computer Science Thesis B			
Term 1	COMP1531 Software Engineering Fundamentals	Terr 1	Computing Elective	Term	Free Elective		Security Engineering Elective			
	COMP2521		Free Elective	1	Free Elective		Advanced Computing Elective			
	Data Structures and Algorithms				General Education Course					
	COMP1521 Computer Systems Fundamentals		Computing Elective		COMP3900 Computer Science Project	Term 2	COMP4963 Computer Science Thesis C			
Term 2	Computing Elective	Terr 2	Free Elective	Term 2	General Education Course		Security Engineering Elective			
NOTES	All Level 1 and Level 2 courses are courses in later terms.	This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.   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.   COMP1511 is expected to be completed by the end of Term 2 Year 1. Students don't need to take COMP1521, COMP1531 and COMP2521 in sequence.								
ž		Most Computing Electives require completion of COMP2521, students are recommended to complete COMP2521 in the first year of study if possible.								
		*Students who completed COMP1531 and COMP2521 can take COMP2511 in Term 1 Year 2.								

Information is correct as of October 2024 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G