Module Level	Module Code	Module Title	ECTS Credits	Semester/Duration	% Exam	% Continuous Assessment	Pre-requisite
Junior Fresh (1st Year)	CSU11012	Introduction To Programming II	5	Semester 2	80	20	CSU11011: Introduction to Programming I
Junior Fresh (1st Year)	CSU11022	Introduction To Computing II	5	Semester 2	60	40	CSU11021. A basic working knowledge of the ARM instruction set and some familiarity with at least one high level programming language
Junior Fresh (1st Year)	CSU11E03	Computer Engineering I	5	Semester 2	75	25	High School Mathematics
Junior Fresh (1st Year)	CSU12002	Mathematics II	5	Semester 2	91	9	CSU11001
Senior Fresh (2nd Year)	CSU22012	Algorithms & Data Structures II	5	Semester 2	40	60	CSU22011: Algorithms and Data Structures I
Senior Fresh (2nd Year)	CSU22062	Natural Language Processing	5	Semester 2	70	30	None
Senior Fresh (2nd Year)	CSU23016	Concurrent Systems And Operating Systems	5	Semester 2	0	100	SF Computer Science: either CSU22014 (Systems Programming, Semester 1) or CSU22061 (Intermediate Programming, Semester 1) JS Engineering: CSU11E03 (Computer Engineering I, Semester 2) and CSU22E03 (Computer Engineering, Semester 1). The programming exercises all use the C programming language so some familiarity and experience with C is required.
Senior Fresh (2nd Year)	CSU23021	Microprocessor Systems	5	Semester 2	0	100	CSU1021 & CSU1022 or CSU33D01 A basic working knowledge of the ARM instruction set and some familiarity with the C programming language, GDB debugger, Git revision control system and Visual Studio Code IDE.
Junior Sophister (3rd Year)	CSU33014	Concurrent Systems I	5	Semester 2	80	20	CSU22014 or CSU34021 A good knowledge of C programming, a previous module in operating systems and/or thread programming, background in processor microarchitecture.
Junior Sophister (3rd Year)	CSU33032	Advanced Computer Networks	5	Semester 2	80	20	CSU33031 Computer Networks
Junior Sophister (3rd Year)	CSU33071	Compiler Design I	5	Semester 2	100	0	None
Junior Sophister (3rd Year)	CSU33D06	Software Design Analysis	5	Semester 2	0	100	Students should have programming experience in one or more modern languages and should have completed a personal or class programming project of reasonable scale (eg. Module programming assignment)

Junior Sophister (3rd Year)	CSU34041	Information Management II	5	Semester 2	90	10	None
Senior Sophister (4th Year)	CSU44032	Security and Privacy	5	Semester 2	80	20	Basic knowledge of programming, networking and internet protocols.
Senior Sophister (4th Year)	CSU44060	Knowledge Representation And Automata	5	Semester 2	80	20	Some programming experience
Senior Sophister (4th Year)	CSU44081	Entrepreneurship & High Tech Venture Creation	5	Semester 2	20	80	None
Senior Sophister (4th Year)	CSU44098	Group Design Project	10	Semester 2	0	100	An ability to program, at a level typical for Year 4 Computer Science students.
Senior Sophister (4th Year)	CSU44D02	Knowledge Engineering	5	Semester 2	0	100	e.g. programming languages, specified topics, etc. This information will be particularly relevant for visiting students or students taking this module as an approved module (if applicable).
Junior Fresh (1st Year)	STU11002	Statistical Analysis I	5	Semester 2	70	30	None
Junior Fresh (1st Year)	STU12502	Introduction To Statistics	5	Semester 2	80	20	STU12501. Knowledge of elementary probability,especially the normal distribution, expectation and variance.
Senior Fresh (2nd Year)	STU22005	Applied Probability II	5	Semester 2	85	15	STU11002 and STU22004. Alternatively, STU12501, STU12502 and STU23501.
Senior Fresh (2nd Year)	STU2201A	Software Applications II	5	Semester 2	0	100	STU11001 Software Applications I
Junior Sophister (3rd Year)	STU33004	Research Methods	5	Semester 2	0	100	None
Junior Sophister (3rd Year)	STU33005	Information Systems	5	Semester 2	0	100	None
Junior Sophister (3rd Year)	STU34502	Applied Linear Statistical Methods II	5	Semester 2	70	30	either (STU12501 and STU12502) or (STU23501 and STU22005)
Junior Sophister (3rd Year)	STU34508	Statistical Inference II	5	Semester 2	90	10	STU23501
For more information on module descriptors please click the module code							
Please note that Modules relate to the 2025/26 Academic Year and are subject to change							