

Computer Science and Statistics							
Module Code	Module Title	ECTS Credits	Semester/ Duration	% Exam	% CA	Pre-requisite	Notes
CSU11012	Introduction To Programming II	5	Semester 2	80	20	CSU11011: Introduction to Programming I	
CSU11022	Introduction To Computing II	5	Semester 2	40	60	CSU11021	
CSU11E03	Computer Engineering I	5	Semester 2	70	30	None	
CSU12002	Mathematics II	5	Semester 2	85	15	CSU11001	
CSU22012	Algorithms and Data Structures II	5	Semester 2	40	60	CSU22011: Algorithms and Data Structures I	
CSU22062	Natural Language Processing	5	Semester 2	60	40	None	
CSU23016	Concurrent Systems and Operating Systems	5	Semester 2	80	20	CSU22014. The programming exercises all use the C programming language so some familiarity and experience with C is required.	
CSU23021	Microprocessor Systems	5	Semester 2	0	100	CSU11021/22 (Introduction to Computing I & II)	
CSU33014	Concurrent Systems I	5	Semester 2	80	20	CSU22014. A good knowledge of C programming Module Co-requisite: CSU34021	
CSU33032	Advanced Computer Networks	5	Semester 2	80	20	CSU33031 Computer Networks	
CSU33061	Artificial Intelligence I	5	Semester 2	80	20	CSU34011/ Equivalent programming experience.	
CSU33071	Compiler Design I	5	Semester 2	100	0	A basic understanding of machine architectures along with a thorough knowledge of programming in both assembly language and in high level programming languages such as C, C#, C++ or JAVA.	
CSU33D03	Computer Networks	5	Semester 2	50	50	Strong proficiency in programming e.g. C/C++, Java or Python is essential.	

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).
CSU34041	Information Management II	5	Semester 2	75	25	None
CSU44032	Security and Privacy	5	Semester 2	80	20	Basic knowledge of programming, networking and internet protocols.
CSU44060	Knowledge Representation and Automata	5	Semester 2	80	20	Programming experience
CSU44081	Entrepreneurship & High Tech Venture Creation	5	Semester 2	40	60	None
CSU44098	Group Design Project	10	Semester 2	0	100	An ability to program, at a level typical for Year 4 Computer Science students.
CSU44D02	Knowledge Engineering	5	Semester 2	0	100	Programming languages
STU11002	Statistical Analysis I	5	Semester 2	70	30	None
STU12502	Introduction To Statistics II	5	Semester 2	80	20	STU12501. Knowledge of elementary probability, especially the normal distribution, expectation and variance.
STU22005	Applied Probability II	5	Semester 2	85	15	STU11002, STU22004
STU2201A	Software Applications A II	5	Semester 2	0	100	STU11001 ♦ Software Applications I
STU33004	Research Methods	5	Semester 2	0	100	None
STU33005	Information Systems	5	Semester 2	0	100	A basic understanding of XML and SQL and of Java programming.
STU34502	Applied Linear Statistical Methods II	5	Semester 2	100	0	STU23501, STU22005
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 2023/24 Academic Year and are subject to change