

STAGE 1

Module code	Module title	Restricted	Module Credits	Term running	Exam in January or May	Coursework
COM1011	Fundamentals of Machine Learning	RESTRICTED				
COM1012	Data Science Group Project 1	RESTRICTED				
ECM1400	Programming	RESTRICTED				
ECM1407	Social and Professional issues of the Information Age	RESTRICTED				
ECM1410	Object Oriented Programming	RESTRICTED				
ECM1413	Computers and the Internet	RESTRICTED				
ECM1414	Data Structures and Algorithms	RESTRICTED				
ECM1415	Discrete Mathematics for Computer Science	RESTRICTED				
ECM1416	Computational Mathematics	RESTRICTED				
ECM1417	Web Development	RESTRICTED				

STAGE 2

Module code	Module title	Restricted	Module Credits	Term running	Exam in January or May	Coursework
COM2011	Machine Learning and Data Science	RESTRICTED				
COM2012	Data Science in Society	RESTRICTED				
COM2014	Computational Intelligence		15	TERM2	MAY	YES
COM2015		RESTRICTED				
COM2016		RESTRICTED				
COM2017		RESTRICTED				
COM2018		RESTRICTED				
COM2019		RESTRICTED				
COM2020	Team Project		15	TERM2	N/A	YES
ECM2414	Software Development		15	TERM1	JANUARY	YES
ECM2418	Computer Languages		15	TERM1	JANUARY	YES
ECM2419	Database Theory and Design		15	TERM1	JANUARY	YES
ECM2423	Artificial Intelligence and Applications		15	TERM2	MAY	YES
ECM2425	Mobile and Ubiquitous Computing		15	TERM2	MAY	YES
ECM2426	Network and Computer Security	Module lead will need to confirm if background is equivalent for pre-requisites	15	TERM1	JANUARY	YES
ECM2427	Outside the Box- Computer Science Research and Applications		15	TERM2	N/A	YES
ECM2433	The C Family		15	TERM2	MAY	YES
ECM2400	Employability and Placement Preparation for Computer Scientists	RESTRICTED				

STAGE 3

Module code	Module title	Restricted	Module Credits	Term running	Exam in January or May	Coursework
COM3021	Data Science at Scale		15	TERM1	MAY	YES
COM3023	Machine Learning and AI		15	TERM2	MAY	YES
COM3024	Computer Vision		15	TERM2	N/A	YES
COM3025	Data Systems		15	TERM1	YES- TBC	YES
COM3026	Introduction to Data Science		15	TERM1	YES- TBC	YES
COM3027	Machine Learning	RESTRICTED	15	TERM2+3		
COM3028	Programming with Python		15	TERM1	YES- TBC	YES
COM3029	Social Networks and Text Analysis	RESTRICTED	15	TERM2+3		
COM3030	Security Assessment and Validation		15	TERM2	YES- TBC	YES

COM3031	Probabilistic Machine Learning		15	TERM2	YES- TBC	YES
ECM3446	High Performance Computing		15	TERM2	MAY	YES
ECM3401	Individual Literature Review and Project	RESTRICTED				
ECM3408	Enterprise Computing		15	TERM2	MAY	YES
ECM3412	Nature Inspired Computation		15	TERM1	MAY	YES
ECM3419	Industrial Placement	RESTRICTED				
ECM3420	Learning from Data		15	TERM1	MAY	YES
ECM3422	Computability and Complexity		15	TERM1	MAY	YES
ECM3428	Algorithms that Changed the World		15	TERM1	MAY	YES
ECM3429	Term of Computer Science Studies Abroad	RESTRICTED				
ECM3430		RESTRICTED	30	TERM 2+3		
ECM3446	High Performance Computing		15	TERM2	N/A	YES
STAGE 4						
Module code	Module title	Restricted	Module Credits	Term running	Exam in January or May	Coursework
COMM038	Foundations of Data Science		15	TBC	TBC	TBC
COMM039	Network Science		15	TBC	TBC	TBC
COMM040	Text Mining and Natural Language Processing		15	TBC	TBC	TBC
COMM041	Data Science Portfolio		15	TBC	TBC	TBC
COMM107	Algorithms that Changed the World	RESTRICTED				
COMM108	Data Systems	RESTRICTED				
COMM109	Programme with Python	RESTRICTED				
COMM110	Software Development	RESTRICTED				
COMM111	Foundations of Human Centred AI		15	TBC	TBC	TBC
COMM112	Design Methods for Human Centred AI		15	TBC	TBC	TBC
COMM113	Deep Learning		15	TBC	TBC	TBC
COMM114	Generative AI		15	TBC	TBC	TBC
COMM115	Data Science at Scale		15	TBC	TBC	TBC
COMM116	Generative AI Applications		15	TBC	TBC	TBC
COMM117	Large Language Models and Applications		15	TBC	TBC	TBC
COMM118	AI in Healthcare		15	TBC	TBC	TBC
COMM119	AI in Environment		15	TBC	TBC	TBC
COMM510	Multi-Objective Optimisation and Decision Making		15	TERM1	JANUARY	YES
COMM514	Research Project	RESTRICTED				
COMM515	Digital Twins and Simulation		15	TERM1	MAY	YES
ECMM409	Nature-Inspired Computation		15	TERM1	N/A	YES
		RESTRICTED (assessments run across terms)				
ECMM410	Research Methodology					
ECMM422	Machine Learning		15	TERM2	N/A	YES
ECMM423	Evolutionary Computation & Optimisation		15	TERM2	N/A	YES
ECMM424	Computer Modelling and Simulation		15	TERM1	MAY	YES
ECMM426	Computer Vision		15	TERM2	MAY	YES
ECMM427	Group Development Project	RESTRICTED				
ECMM428	Individual Research Project	RESTRICTED				
ECMM432	Data in Business and Society	RESTRICTED				
ECMM433	Project 1	RESTRICTED				
ECMM435	Project 2	RESTRICTED				
ECMM440	High Performance Computing and Data Architectures	RESTRICTED				

ECMM441	Machine Vision	RESTRICTED				
ECMM442	Information Security	RESTRICTED				
ECMM443	Introduction to Data Science		15	TERM1	MAY	YES
ECMM445	Learning from Data		15	TERM1	MAY	YES
ECMM447	Social Networks and Text Analysis		15	TERM2	N/A	YES
ECMM450	Stochastic Processes		15	TERM2	MAY	YES
ECMM454	Computer Science Business Project	RESTRICTED				
ECMM459	Statistical Modelling	RESTRICTED				
ECMM461	High Performance Computing		15	TERM2	N/A	YES
ECMM462	Fundamentals of Security		15	TERM1	MAY	YES
ECMM463	Building Secure and Trustworthy Systems		15	TERM1	MAY	YES
ECMM464	Security Assessment and Validation		15	TERM2	MAY	YES
ECMM465	Cyber Security Analytics Research Project	RESTRICTED				
ECMM466	Social Networks and Text Analysis (Professional)	RESTRICTED				
Degree Apprenticeship modules (None permitted for inbound)						
STAGE 1						
ECM1418	Business Organisation	RESTRICTED				
ECM1419	Interpersonal and Foundation Skills	RESTRICTED				
ECM1420	Information and Data	RESTRICTED				
ECM1421	System Development 1	RESTRICTED				
ECM1422	Reflective Practice 1	RESTRICTED				
ECM1423	Digital Technology Infrastructure	RESTRICTED				
ECM1424	Information Security	RESTRICTED				
STAGE 2						
ECM2428	IT Project Management	RESTRICTED				
ECM2429	Systems Development 2	RESTRICTED				
ECM2430	Reflective Practice 2	RESTRICTED				
ECM2431	Information Systems	RESTRICTED				
ECM2432	Reflective Practice 3	RESTRICTED				
STAGE 3						
ECM3431	IT Law and Ethics	RESTRICTED				
ECM3432	Software Engineering 1	RESTRICTED				
ECM3433	Data Analysis 1	RESTRICTED				
ECM3434	Business Analysis 1	RESTRICTED				
ECM3435	IT Consulting 1	RESTRICTED				
ECM3436	Network Engineering 1	RESTRICTED				
ECM3437	Cyber Security 1	RESTRICTED				
ECM3438	Synoptic Project	RESTRICTED				
ECM3439	Independent Study	RESTRICTED				
ECM3440	Software Engineering 2	RESTRICTED				
ECM3441	Data Analysis 2	RESTRICTED				
ECM3442	Business Analysis 2	RESTRICTED				
ECM3443	IT Consulting 2	RESTRICTED				
ECM3445	Cyber Security 2	RESTRICTED				
STAGE 4						
COMM033	Data Engineering	RESTRICTED				

COMM034	Data in Business and Society	RESTRICTED				
COMM035	Data Analysis and Visualisation	RESTRICTED				
COMM036	Machine Learning	RESTRICTED				
COMM037	Project	RESTRICTED				
COMM412	Data in Business and Society	RESTRICTED				
COMM417	Machine Learning (Professional)	RESTRICTED				
COMM420DAJ	Professional Practice 1	RESTRICTED				
COMM421DA	Professional Practice 2	RESTRICTED				
COMM421DAJ	Professional Practice 2	RESTRICTED				
COMM422DA	Research Scientist: End Point Assessment	RESTRICTED				
COMM422DAJ	Research Scientist: End Point Assessment	RESTRICTED				
COMM423DA	Work-based Project	RESTRICTED				
COMM424DA	Individual Research Project	RESTRICTED				