School of Computer Science and Electronic Engineering: PGT Degree Structure Grids for 2016-17

Key	
D	Core module for course (must be passed to progress or gain award)
CO	Compulsory option for course (one of the two-set options must be selected)
C	Compulsory module for course
O	Optional module - the number of options you must select is listed below the course names
RO	Restrictive option - only available if Year 3 equivalent module has not been taken
RC	Restrictive compulsory - alternative needs to be selected if Year 3 module was taken
RD	Restrictive core - alternative needs to be selected if Year 3 module was taken
*	Indicates that number of options available is dependent on whether Year 3 equivalent module was taken - the minimum number of options is detailed in the box below

Code	Module Name	MSc Computer Games	MSc Advanced Web Engineering	MSc Computer Networks and Security	MSc Computer Engineering	MSc Big Data & Text Analytics	MSc Cloud Computing	MSc Advanced Computer Science	MSci Computer Science (UG Scheme)	MSc Artificial Intelligence	MSc Embedded Systems	MSc Electronic Engineering	MEng Electronic Engineering (UG Scheme)	MSc Intelligent Systems & Robotics	MSc Advanced Communication Systems	MSc Computational Finance	MSc Algorithmic Trading	Co-requisite	Pre-requisite	Anti-requisite (joint teaching event with Year 3 module)
OPTIONS	Number of optional choices (all CE & CF modules are 15 credits unless stated otherwise)	2	3	2	3*	1*	2	4	4	4	3*	3	2	2*	1	1	2			
CE701-7-AU	Theory of Signals and Systems											C	C		C					
CE703-7-AU	Networking Principles			C								O	O		C					
CE705-7-AU	Programming in Python	O		C								C	O				O	CO A		
CE707-7-AU	IP Networking and Applications			C					O			O	O							
CE708-7-AU	Computer Security		O	C		O	C	C	C											
CE783-7-AU	Communications Laboratory														C					
CE784-7-AU	Networks Laboratory			C																
CE801-7-AU	Intelligent Systems and Robotics	O			O			O	O	C	O	O	O	C						
CE802-7-AU	Machine Learning and Data Mining	O				C		O	O	C				C		O				
CE804-7-AU	Digital Signal Processing				RC						RC	RO	RO	RO			RO			CE335
CE811-7-AU	Game Artificial Intelligence	C	O				O	O	O	O	O			O						
CE816-7-AU	High Performance Computing		O		C	C	O	O									O			
CE818-7-AU	High-Level Games Development	RO	RO				RO	RO	RO	RO	RO			RO						CE318
CE831-7-AU	E-Commerce Programming		C					O	O	O										
CE832-7-AU	Advanced Web Technologies		C				O	O	O	O										
CE865-7-AU	Programming Embedded Systems				C						C	C	C	C						
CE866-7-AU	Computer Vision						RO	RO	RO	RO				RC						CE316
CE887-7-AU	Natural Language Engineering	RO	RO			RC		RO	RO	RO										CE314
CE889-7-AU	Artifical Neural Networks				O			O	O	O			O	O		O				
CF961-7-AU	Introduction to Financial Market Analysis															C	C			
CF962-7-AU	Quantitative Methods in Finance and Trading															C	C			
CF963-7-AU	Learning and Computational Intelligence in Economics and Finance									O						C	O			
CE702-7-SP	Digital Communications												O		C				CE701	
CE706-7-SP	Information Retrieval	RO	RO		RO	RC	RO	RO		RO										CE306
CE709-7-SP	Converged Networks and Services			O	C		C								O					
CE721-7-SP	Electronic System Design & Integration				O						O	C	C	O						
CE740-7-SP	Mobile Communications			O	O							O	O		C					
CE805-7-SP	Cloud Technologies and Systems		O	O		O	C	O	O								O			
CE807-7-SP	Text Analytics	O	O			C		O	O	O				O			O			
CE812-7-SP	Physics-Based Games	C	O					O	O	O	O			O						
CE817-7-SP	Virtual Worlds	RO	RO				RO	RO	RO	RO	RO			RO						CE317
CE823-7-SP	Network Security and Cryptographic Principles			RO			RO												CE708	CE324
CE860-7-SP	Advanced Embedded Systems Design				RO							RC	RO	RO						CE323
CE869-7-SP	High Level Logic Design				RC							RO	RO	RO	RO					CE339
CE881-7-SP	Mobile & Social Application Programming	C	C				O	O	C	C										
CE885-7-SP	Mathematical Research Techniques using Matlab							O	O			O	O		C	CO A	O			
CE886-7-SP	Evolutionary Computation and Genetic Programming							RO	RO	RO				RO		RO	RO			CE310
CE888-7-SP	Data Science & Decision Making	O	O	O	O	O	O	O		O	O	O	O	O	O					
CE901-7-SU	MSc Project and Dissertation (60 credits)	D	D	D	D	D	D	D		D	D	D		D	D					
CE903-7-SP	Group Project		C			C	C	C	C	C	C				C					
CE911-7-SU	MSc Industry Based Project and Dissertation																			
CE913-7-SP	Group Project (Incorporating a Game Jam)	D																		
CF965-7-SP	Market Microstructure and Trading															O	C		CF962	
CF966-7-SP	Financial Engineering and Risk Management															C	O			
CF968-7-SP	Industry Expert Lectures in Finance															CO B	O			
CF969-7-SP	Big-Data for Computational Finance				O											CO B	C			
BE244-7-SP	Creating and Growing a New Business Venture	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O			
BE364-7-SP	Trading Global Financial Markets															O	C			
CE722-7-FY	Group Project with Industrial Practice (30 credits)													C						
CE810-7-FY	Game Design	C	O					O	O	O	O			O						
CE902-7-FY	Professional Practice and Research Methodology	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C			
CF981-7-FY	CCFEA MSc Dissertation (60 credits)															D	D			