

UG-DCS GRADUATE PROGRAMMES

MSc. Computer Science

LEVEL 600

FIRST SEMESTER

Code	Title
Core	
CSCD 601	Research Methods
CSCD 603	Advanced Data Structures and Algorithms
CSCD 609	Principles of Wireless and Mobile Systems
Electives	
CSCD 607	Advanced Computer Networks
CSCD 611	Advanced Database Systems
CSCD 641	Advanced Operating Systems
CSCD 637	Human Computer Interaction

SECOND SEMESTER

Code	Title
Core	
CSCD 602	Advanced Software Engineering
CSCD 604	Distributed Systems
CSCD 610	Seminar I
CSCD 612	Intelligent Systems
Electives	
CSCD 606	Bioinformatics
CSCD 608	Advanced Computer Vision
CSCD 614	Wireless Systems Design
CPEN 656	Networks Security
MATH 652	Computational Mathematics
CSCD 600	MSc Dissertation

MPhil. Computer Science

LEVEL 600

FIRST SEMESTER

Code	Title
Core	
CSCD 601:	Research Methods
CSCD 603:	Advanced Data Structures and Algorithms
CSCD 609:	Principles of Wireless and Mobile Systems
Electives	
CSCD 607	Advanced Computer Networks
CSCD 611	Advanced Database Systems
CSCD 641	Advanced Operating Systems
CSCD 637	Human Computer Interaction

SECOND SEMESTER

Code	Title
Core	
CSCD 606	Advanced Software Engineering
CSCD 604	Distributed Systems
CSCD 610	Seminar I
CSCD 612	Intelligent Systems
Electives	
CSCD 616	Bioinformatics
CSCD 608	Advanced Computer Vision
CSCD 614	Wireless Systems Design
CPEN 656	Networks Security
MATH 652	Computational Mathematics
CSCD 630	MPhil Thesis

PhD. Computer Science

YEAR 1

FIRST SEMESTER

Code	Title
Core	
FASC 701	Science and Society (Faculty Wide)
FASC 700	Special Topics in Science
Electives	
CSCD 721	Grand Research Challenges in Computer Science
CSCD 723	Emerging Database Models
CSCD 725	Research in Bioinformatics and Computational Biology
CSCD 727	Ubiquitous Computing

SECOND SEMESTER

Code	Title
Core	
CSCD 722	New Developments in Cyber Security and Networks
FASC 702	Advanced Quantitative Research Methods
Electives	
CSCD 724	New Developments in Computer Architecture
CSCD 726	Next Generation Wireless Systems and Networks
CSCD 716	New Directions in Artificial Intelligence
CSCD 728	Research Issues in Social Networks
CSCD 732	Advances in High Performance Computing
FASC 710	Teaching Science at the Tertiary Level

YEAR 2

FIRST SEMESTER

Code	Title
Core	
FASC 710	Seminar I (Research Proposal)

SECOND SEMESTER

Code	Title
Core	
FASC 720	Seminar II (Experiential research learning)

YEAR 3

FIRST SEMESTER

Code	Title
Core	
CSCD 730	Seminar III (Research progress)

YEAR 4

SECOND SEMESTER

Code	Title
Core	
CSCD 740	Seminar IV (Research Results)
CSCD 700	PhD Thesis