

MASTER IN INFORMATION TECHNOLOGY

Program of Study

Total: 36 units

Undergraduate Prerequisite Courses: 15 units

Students without backgrounds in computer science, computer engineering, electronics, communication, computer engineering, mathematics, and related fields are required to take the following subjects:

CSCI 21	Introduction to Programming I	3 units
CSCI 22	Introduction to Programming II	3 units
MATH 30.23	Applied Calculus for Science and Engineering I	3 units
MATH 30.24	Applied Calculus for Science and Engineering II	3 units
MATH 51.3	Math for Computer Science I	3 units

*Students may opt to take validation exams to gain exemption from the prerequisites.

Bridging Courses: 18 units

CSCI 41	Information Management	3 units
CSCI 42	Introduction to Software Engineering	3 units
CSCI 50.01	Computer Organization, Lecture	3 units
CSCI 51.01	Operating Systems, Lecture	3 units
CSCI 60	Computer Networks and Data Communications	3 units
CSCI 70	Structure and Interpretation of Programming Languages	3 units

Major Courses: 12 units

CSCI 206	Database Systems	3 units
CSCI 207	Advanced Systems Analysis and Design	3 units
CSCI 208	Technology and Project Management	3 units
CSCI 209	Computer Networks and Operating Systems	3 units

Specialization: 18 units

Any six courses offered by the department or any accredited electives from a consortium school directed toward Systems Development (e.g., e-commerce solutions, e-learning solutions, multimedia solutions) or Information Management (e.g., model, design, implement, configure, and administer database) or courses offered by other departments with the approval of the DISCS Graduate Programs Director.

Comprehensive Exams

CSCI 296	Comprehensive Examinations
----------	----------------------------

Capstone Project: 6 units

CSCI 298.1	Independent Project I
CSCI 298.2	Independent Project II

Professional Track Presentation Requirement

The Capstone project must be presented in a national or international public forum.

Tabulated below is the program of study by year and semester for full-time students.

Year 1					
Interession		First Semester		Second Semester	
Course Cat	Units	Course Cat	Units	Course Cat	Units
ELECTIVE	3	CSCI 206	3	CSCI 207	3
ELECTIVE	3	CSCI 208	3	CSCI 209	3
		ELECTIVE	3	ELECTIVE	3
		ELECTIVE	3	ELECTIVE	3
Total Units	6	Total Units	12	Total Units	12

Year 2					
Interession		First Semester		Second Semester	
Course Cat	Units	Course Cat	Units	Course Cat	Units
CSCI 296	0	CSCI 298.1	3	CSCI 298.2	3
Total Units	0	Total Units	3	Total Units	3