M.S. IN COMPUTER SCIENCE, DATABASES AND INTELLIGENT INFORMATION SYSTEMS, NON-THESIS TRACK (CSII.NTT.MS)

Code	Title	Credits
Foundation Requirements (12 credits) 1		
CS-501B	Program Development	3
CS-502	Theoretical Foundations of Computer Science	3
CS-503	Data Structures and Algorithms	3
CS-505	Operating Systems Concepts	3
Program Requirement (30 credits)		
CS-512	Algorithm Design	3
CS-514	Networks	3
CS-517	Database Design and Management	3
CS-520	Introduction to Intelligent Systems	3
CS-533	Database System Implementation	3
Select two of the following:		6
CS-521	Artificial Intelligence	
CS-529	Web Services and .NET	
CS-618	Data Mining	
CS-625	Internet Crawler	
Select 6 credits Designated with Course*Type CISEL		6
Select 3 credits from 600+ level		3
Total Credits		42

Up to 12 credits may be waived upon evaluation or prior academic preparation

Admission Requirements

- 1. Possession of a baccalaureate degree with a minimum 2.75 overall GPA and a 3.0 in the undergraduate major, preferably in the sciences or engineering.
- 2. Two letters of recommendation.
- 3. Two semesters of Calculus (I and II) with grades of "C" or better.
- 4. Two semesters of computer programming courses within the past five years (equivalent to Monmouth's CS-175 Introduction to Computer Science I (3 cr.), CS-175L Introduction to Computer Science I lab (1 cr.) and CS-176 Introduction to Computer Science II (3 cr.), CS-176L Introduction to Computer Science II Lab (1 cr.) at a recognized institution with a grade of "B" or better. Applicants not meeting these requirements for programming experience may be required to take CS-501A Computer Programming Essentials (3 cr.) or its equivalent.