

### Master of Science Programs

The Department of Computer Science offers two Master of Science degree programs: one in Computer Science and the other in Information Technology. These programs are designed to provide advanced knowledge of the fields of study in order to enhance the potential and competence of graduates searching for better study and career opportunities.

#### Master of Science in Computer Science (39 Credits)

A. Core Courses		15 Credits	
Course Code	Course Title	Credits	Prerequisite(s)
CSC510	Artificial Intelligence	3	
CSC514	Theory of Computation	3	
CSC520	Human Computer Interaction	3	
CSC541	Advanced Operating Systems	3	
ENG500	Professional English	3	
<b>B. Major Courses</b>		<b>24 Credits</b>	<b>Grade must be B or higher in every Major course</b>
<b>Choose one of the following options:</b>		<b>9 Credits</b>	
<b>Option 1: Database Systems</b>			
CSC515	Advanced Systems Analysis & Design	3	
CSC516	Advanced Database Systems	3	
CSC617	Data Mining	3	CSC516
<b>Option 2: Web and Mobile Applications</b>			
CSC519	Web Application Development	3	
CSC618	Mobile Application Design and Development	3	CSC519
CSC620	Distributed Systems	3	CSC541
<b>Major Electives (any graduate level CSC courses)</b>		<b>6 Credits</b>	
	Major Elective 1	3	
	Major Elective 2	3	
<b>Choose one of the following Orientations:</b>		<b>9 Credits</b>	
<b>Applied:</b>			
CSC517	Project Management	3	
CSC688	Master Project in CS (two semesters)	6	
<b>Research:</b>			
CSC518	Research Methodology and Topics in CS	3	
CSC698	Master Thesis in CS (two semesters)	6	
<b>Degree Total</b>		<b>39 Credits</b>	