

E-COMMERCE (BS)

Chairperson: Seta Whitby

Regular Faculty: Ray Ahmadnia, Jozef Goetz, Seta Whitby

Adjunct Faculty: Claudia Caceres, Mudassar Ghazi, Sara Hariri, Clifford Ketterborough, Mohammad Muqri, Juan Rodriguez, Samuel Son, Anat Zeelim

The major requires a minimum of 48 semester hours of core, concentration and elective courses. In addition, students must satisfy the prerequisite requirements as well. This interdisciplinary program is offered by the Department of Computer Science and Computer Engineering to prepare students for careers in electronic commerce. Students may select certificates in Computer Coding, Cybersecurity, Systems Engineering or in Website and Internet Applications Development (see UNDERGRADUATE & GRADUATE CERTIFICATES section).

Degree Requirements

Total program: 66 semester hours

Prerequisites

18 semester hours

Code	Title	Semester Hours
CMPS 200	Information Technology	2
ACCT 203	Financial and Managerial Accounting	4
ECON 228	Economic Theories & Issues	4
BUS 270	Statistics	4
MGMT 300	Principles of Management	4
Total Semester Hours		18

Core Requirements

32 Semester hours

Code	Title	Semester Hours
BUS 360	Principles of Marketing	4
BUS 416	Electronic Commerce	4
CMPS 218	Publishing on the Web I	4
CMPS 368	Principles of Computer Networks	4
CMPS 378	C# Programming	4
CMPS 392	Project Management	4
CMPS 410	Management Information Systems	4
CMPS 499	Senior Project	4
Select one of the following concentrations:		12
Engineering of E-Commerce		
Information System of E-Commerce		
Total Semester Hours		44

Concentrations

12 Semester hours

Engineering of E-Commerce

Code	Title	Semester Hours
CMPS 319	Publishing on the Web II	4
CMPS 320	Internet Apps Development	4
CMPS 481	Mobile Applications Development	4
Total Semester Hours		12

Information System of E-Commerce

Code	Title	Semester Hours
CMPS 375	Systems Analysis and Design	4
CMPS 420	Cybersecurity	4
CMPS 490	Database Management Systems	4
Total Semester Hours		12

Electives

Code	Title	Semester Hours
Select one of the following:		4
CMPS 301	Programming Concepts	4
CMPS 302	The Digital Society	4
CMPS 369	Local Area Networks	4
CMPS 379	Java	4
CMPS 386	Introduction to Data Mining	4
CMPS 388	Software Engineering	4
CMPS 372	Introduction to Python Programming	4
CMPS 390	Special Topics in Computer Science	4
CMPS 450	Automata Theory	4
CMPS 451	Artificial Intelligence	4
CMPS 453	Advanced Topics in Artificial Intelligence	4
CMPS 480	Distributed Internet Computing	4
CMPS 481	Mobile Applications Development	4
CMPS 491	Systems Architecture	4