

M.S. in Computing and Business

The program requires the completion of 30 credits.

Students with non-computing STEM background may be accepted and required to take the following bridge courses (CS 506 may count toward the credits required for the MS degree):

Code	Title	Credits
Bridge Courses		
CS 280	Programming Language Concepts	3
CS 332	Principles of Operating Systems	3
CS 505	Programming, Data Structures, and Algorithms	3
CS 506	Foundations of Computer Science	3
Total Credits		12

Code	Title	Credits
Business Core		
ACCT 615	Management Accounting	3
FIN 600	Corporate Finance I	3
HRM 601	Managing Organizational Behavior in Technology-Based Organizations	3
MRKT 620	Global Marketing Management	3
Computer Science Core		
CS 610	Data Structures and Algorithms	3
CS 631	Data Management System Design	3
CS 634	Data Mining	3
CS 656	Internet and Higher-Layer Protocols	3
Electives		
Select two of the following: ¹		6
CS 632	Advanced Database System Design	
CS 652	Cognitive Cloud Networking - Architectures and Applications	
CS 661	Systems Simulation	
CS 696	Network Management and Security	
ECE 644	Wireless Communications: Fundamentals to 5G	
FIN 624	Corporate Finance II	
FIN 626	Financial Investment Institutions	
FIN 634	Mergers, Acquisitions, and Restructuring	
FIN 641	Derivatives Markets	
FIN 650	Investment Analysis and Portfolio Theory	
IS 634	Information Retrieval	
IS 681	Computer Security Auditing	
MGMT 630	Decision Analysis with Quantitative Modeling	
MGMT 635	Data Mining and Analysis	
MGMT 650	Knowledge Management	
MIS 625	Management Strategies for E-Commerce	
YWCC 691	Graduate Capstone Project ²	
Total Credits		30

¹ Only one from SOM

² Counting YWCC 691 towards the elective credits requires the program director's prior approval. In addition, it needs to be completed with an external partner (industry, lab, or government), or with a faculty only if the same faculty is not the student's MS project or MS thesis advisor.