INFORMATION TECHNOLOGY - APPLIED INFORMATION TECHNOLOGY CONCENTRATION (M.S.)

For details about this program, including program description, admission requirements, and contact information, click here (https://www.montclair.edu/graduate/programs-of-study/information-technology-ms-concentration-in-applied-information-technology-professional-science-masters-online/).

Prerequisite Requirements

Students who wish to make a career change and have limited or no background in Computer Science and/or Technology will be accepted under the condition of bridging the gap through a program of study that will require anywhere from one to four courses in Computer Science Fundamentals. These additional courses do not count towards degree credit.

Code	Title	Credits
Complete 0-16 credits by advisement.		
CSIT 501	Java Programming	4
CSIT 502	Computer Systems Principles	4
CSIT 503	Data Structures	4
CSIT 504	Discrete Mathematics in Computing	4

Program Requirements

Code	Title	Credits
Required Core Courses		
CSIT 535	Human-Computer Interaction (HCI)	3
CSIT 537	Web Development	3
CSIT 540	Computer Networks	3
CSIT 555	Database Systems	3
CSIT 561	Computer Security	3
CMST 525	Presentation Skills for Business	3
LAWS 545	Cyberlaw	3
or LAWS 547	Intellectual Property: Copyright, Licensing, and Advertising	
CSIT 610	Information Technology Project Management	3
or CSIT 616	Software Process Management	
Elective Courses		
Complete 2 courses from the following:		6
CSIT 515	Software Engineering	
CSIT 531	Robotics	
CSIT 545	Computer Architecture	
CSIT 547	Operating Systems	
CSIT 551	Mobile Computing	
CSIT 558	Data Mining	
CSIT 560	Network Security	
CSIT 562	Web Security	
CSIT 565	Information Security Management	
CSIT 566	Computer Forensics	
CSIT 571	Computer Algorithms and Analysis	
CSIT 574	Image Processing	
CSIT 595	Special Topics in Computer Science	
CSIT 610	Information Technology Project Management	
CSIT 615	Advanced Software Engineering	
CSIT 616	Software Process Management	
CSIT 635	Advanced Human-Computer Interaction (HCI)	
CSIT 655	Advanced Database Systems	
CSIT 656	Scientific Databases	
CSIT 691	Independent Study: Computer Science	
CSIT 695	Readings in Computer Science	
Culminating Experience		
CSIT 690	Industry Internship in Information Technology Management	3
Total Credits		**33**