

# INFORMATION TECHNOLOGY, APPLIED INFORMATION TECHNOLOGY CONCENTRATION (M.S.)

CSIT 656	Scientific Databases	
CSIT 691	Independent Study: Computer Science	
CSIT 695	Readings in Computer Science	
<b>Culminating Experience</b>		
CSIT 690	Industry Internship in Information Technology Management	3
Total Credits		33

## Program 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 course in Computer Science Fundamentals. These additional courses do not count towards degree credit.

Code	Title	Credits
<i>Complete 0-16 credits by advisement</i>		<i>0-16</i>
CSIT 501	Computer Science Foundations I	
CSIT 502	Computer Science Foundations II	
CSIT 503	Computer Science Foundations III	
CSIT 504	Computer Science Foundations IV	

### 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 560	Network Security	3

### Required Industry Related Courses

<i>Communications</i>		
CMST 582	Techniques of Communication	3
<i>Intellectual Property</i>		
LAWS 545	Cyberlaw	3
or LAWS 547	Intellectual Property: Copyright, Licensing, and Advertising	
<i>Computer Science Management</i>		
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 571	Computer Algorithms and Analysis	
CSIT 574	Image Processing	
CSIT 595	Topics in Computer Science	
CSIT 610	Information Technology Project Management	
CSIT 615	Advanced Topics in Software Engineering	
CSIT 616	Software Process Management	
CSIT 635	Advanced Human-Computer Interaction (HCI)	
CSIT 655	Advanced Database Systems	