

STUDENT:



STUDENT ID NUMBER:

COLLEGE OF LIBERAL ARTS & SCIENCES • MS • COMPUTER SCIENCE: INFORMATION TECHNOLOGY

Program Code: GLASCSCIT

Version Number: 2222 – Spring 2022

Effective Date: January 18, 2022

Program Requirements for Master of Science in Computer Science: Information Technology

Required: 3 credits	Grd	Term
CSC 441: Advanced Information Security		

Foundational Courses: 12-27 credits	Grd	Term
CSC 411: Networking I		
CSC 456: Database Management Systems I		
CSC 458: Data Mining & Pred. Analytics I		
CSC 459: Introduction to Big Data		
CSC 464: Human Computer Interaction		
CSC 510: Advanced Operating Systems		
CSC 512: Network Architecture & Protocols		
CSC 523: Advanced Scripting for Data Manipulation, Analysis, and Machine Learning		
CSC 541: Network Security		
CSC 552: Advanced UNIX Programming		
CSC 554: Project Management		
CSC 555: Applied Cryptography		
CSC 556: Database Management Systems II		
CSC 558: Data Mining & Pred. Analytics II		

Elective Courses: 0-9/12* credits	Grd	Term

*Non-thesis students may take 12 hours of elective courses

Depth Component Requirement: Choose at least two courses (one or more 500-level) from one depth area.

Depth Area	Courses
Networking	411, 512, 541
Database Systems	456, 556
IT Systems & Management	510, 554
Data Science	458, 459, 523, 558
Security	441, 541, 555

Note: Selected Topics CSC 480 and CSC 580 are classified as foundational or elective based upon the specific topic

Optional Thesis: 0 or 6 credits	Grd	Term
Topic:		
CSC 599:		
CSC 599:		

A thesis counts as six foundational credits

Advisement Notes

- Candidates for the MS degree in Computer Science must complete a total of 30 credits, selected in consultation with your advisor. A candidate must complete all degree requirements for the MS within six (6) calendar years after acceptance into the program.
- Students may elect for the thesis option, which requires the completion of 24 credits of courses and 6 credits of thesis. Students who do not complete a thesis must complete the Program of Study Summary (POSS), a written report that provides a narrative, backed by evidence, that the student has fulfilled specific student learning outcomes in the program.
- All programs will require at least 15 hours of 500-level courses in their major, which can include 6 hours of CSC 599 for students electing the thesis option. No more than five 400-level courses may be taken for graduate credit.
- Students must complete at least one depth component in their program. (see chart above)