

STUDENT:



STUDENT ID NUMBER:

COLLEGE OF LIBERAL ARTS & SCIENCES • MS • COMPUTER SCIENCE: SOFTWARE DEVELOPMENT

Program Code: GLASCSC

Version Number: 2158 - Fall2015

Effective Date: August 24, 2015

Program Requirements for Master of Science in Computer Science: Software Development

Required: 3 credits	CR	Date
CSC 402: Data Structures II		

Foundational Courses: 15-27 credits	CR	Date
CSC 421: Web-Based Design and Develop		
CSC 425: Compiler Design I		
CSC 456: Database I		
CSC 516: Design & Analysis of Algor II		
CSC 520: Adv Object Oriented Program		
CSC 521: Adv Web-Based Software Devel.		
CSC 526: Compiler Design II		
CSC 543: Multiprocessing&Concurrent Prg		
CSC 552: Advanced UNIX Programming		
CSC 556: Database II		
Optional Thesis: 0 or 6 credits		
CSC 599: Thesis – 6 credits		

Elective Courses: 0-6 credits	CR	Date
CSC 411: Networking I		
CSC 441: Advanced Information Security		
CSC 445: Intro to Intelligent Robotics		
CSC 447: Artificial Intelligence I		
CSC 464: Human Computer Interaction		
CSC 480: Special Topics		
CSC 512: Networking II		
CSC 540: Engineering Enterprise OO Sys		
CSC 548: Artificial Intelligence II		
CSC 554: Project Management		
CSC 555: Applied Cryptography		
CSC 580: Special Topics		

Depth Components: Choose at least two courses (including one 500-level) from at least one depth area.

Depth Area	Courses
Compiler	425, 526
AI	445, 447, 548
Database	456, 556
Web	421, 464, 521
OO/Functional Design and Develop	520, 543
Operating Systems	543, 552
Modular Design & Development	520, 540, 543

Advisement Notes

1. Candidates for the MS degree in Computer Science must complete a total of 30 credits. A candidate must complete all degree requirements for the MS within six (6) calendar years after his or her acceptance into the program.
2. Students must select either the thesis option or the comprehensive exam option. The thesis option requires the completion of 24 credits of courses and 6 credits of thesis. The comprehensive exam option requires the completion of 30 credits of courses and passing the comprehensive exams. Comprehensive exams are given the last week of class in the Fall and Spring semesters.
3. Students must complete at least 18 credits of 500-level courses.
4. Students must complete at least one depth component in their program. (see chart above)