MSACS PROGRAM COURSE LIST

FOUNDATION COURSES

COURSE NUMBER		COURSE TITLE	FALL	SPRING	SUMMER
EPS	5099	ACADEMIC WRITING SKILLS			
EPS	5299	ACADEMIC RESEARCH FOUNDATIONS			
CSCI	5505	INTRODUCTION TO COMPUTER PROGRAMMING			
CSCI	5557	DATA STRUCTURES AND ALGORITHMS			
CSCI	5565	ASSEMBLY LANGUAGE			

CORE COURSES

COURSE NUMBER		COURSE TITLE	FALL	SPRING	SUMMER
CSCI	6623	DATABASE SYSTEMS			
CSCI	6620	SOFTWARE ENGINEERING			
CSCI	6638	OPERATING SYSTEMS			
CSCI	6836	COMPUTER ALGORITHMS			
CSCI	7645	SYSTEMS PROGRAMMING			
CSCI	6806	COMPUTER SCIENCE GRADUATE CAPSTONE PROJECT (Add CAPSTONE as your last core course)			

ADVANCED COMPUTER PROGRAMMING SPECIALIZATION COURSES

COURSE NUMBER		COURSE TITLE	FALL	SPRING	SUMMER
CSCI	6617	COMPUTER GAME PROGRAMMING			
CSCI	6809	ADVANCED APPLICATIONS DEVELOPMENT			
CSCI	6844	PROGRAMMING FOR THE INTERNET			
CSCI	7873	SHELL PROGRAMMING			
CSCI	8891	INTERNSHIP/WORK EXPERIENCE			
CSCI	8892 8893	INTERNSHIP/WORK EXPERIENCE (Part I) INTERNSHIP/WORK EXPERIENCE (Part II)			

DATABASE ADMINISTRATION SPECIALIZATION COURSES

COURSE NUMBER		COURSE TITLE	FALL	SPRING	SUMMER
CSCI	6882	DATA WAREHOUSE AND DATA MINING			
CSCI	7741	DISASTER RECOVERY			
CSCI	7781	ADVANCED DATABASE SYSTEMS			
CSCI	7783	INFORMATION SECURITY			
CSCI	8891	INTERNSHIP/WORK EXPERIENCE			
CSCI	8892 8893	INTERNSHIP/WORK EXPERIENCE (Part I) INTERNSHIP/WORK EXPERIENCE (Part II)			

MSACS COURSES FOR STUDENTS WITH NO DECLARED SPECIALIZATION

COURSE NUMBER		COURSE TITLE	FALL	SPRING	SUMMER
CSCI	6751	ARTIFICIAL INTELLIGENCE			
CSCI	6886	BIG DATA ANALYTICS			
CSCI	7785	DISTRIBUTED DATABASE SYSTEMS			
CSCI	7850	USER INTERFACE EVALUATION AND DESIGN			
CSCI	8891	INTERNSHIP/WORK EXPERIENCE			
CSCI	8892 8893	INTERNSHIP/WORK EXPERIENCE (Part I) INTERNSHIP/WORK EXPERIENCE (Part II)			

IMPORTANT NOTES:

➢ Students must add all **10 courses** and submit their complete plan for academic advisors' approval by clicking on the "**Request for Review**" button prior to their registration date to avoid any delays in the registration process.

➢ Incomplete plans will not be approved, and this could delay your registration.

➢ Please refer to the **MSACS Program Course List** to find out available specialization courses in each term before adding it to your plan.

➢ International students must enroll in a full-time course load (3 courses = 9 credits) for Spring & Fall terms. Summer is an optional term.

➢ Students planning to do an INTERNSHIP, can add CSCI 8891 (3 credits) **OR** CSCI 8892 (1.5 credits) + CSCI 8893 (1.5 credits) to replace one of their specialization courses. Internship is **optional** (not mandatory) and can be taken any term after completing your Core Courses.

➢ Internship is a **full-time job placement** and cannot be taken with any other courses.

➢ Final term is always considered a full-time term regardless of the number of courses/credits taken.