

MSDS Program Plan of Study

Note: Plan of Study must be approved by the student's Graduate Program Coordinator

Student Information

Name _____ Laker ID _____

Email _____ Phone _____

Graduate Program Coordinator: Dr. Xiangdong An _____

Graduate Program Coordinator Signature

Date

		Course ID	Course Title	Semester	Year	Credits
Core Courses (12 credit hours)	Students must take all the 4 core courses	CSCI 5101	Foundations of Info. Sys. Secur. & Ethics (3)	Fall		3
		CSCI 5112	System Analysis and Design (3)	Fall		3
		CSCI 5201	Database Theory and Design (3)	Spring		3
		CSCI 5317	Operation Systems Admin & Security (3)	Spring		3
Select one concentration (12 credit hours)	Data Management and Intelligence (select 4 courses)	CSCI 6201	Data Management for Analytics (3)			
		CSCI 6202	Data Mining and Data Warehousing (3)			
		CSCI 6307	Foundation of AI and Deep Learning (3)	Fall		
		CSCI 6308	Cloud Computing (3)	Spring		
		CSCI 6433	Web App Development (3)	Fall		
		CSCI 6093	Adv. Topics in Info. Systems (3)	Spring		
	Knowledge & Information Systems (select 4 courses)	CSCI 6012	Information Risk Management (3)	Spring		
		CSCI 6307	Foundation of AI and Deep Learning (3)	Fall		
		CSCI 6433	Web App Development (3)	Fall		
		CSCI 6812	Data Science (3)			
		CSCI 6820	Knowledge Engineering (3)			
		CSCI 6093	Adv. Topics in Info. Systems (3)	Spring		
	Health Informatics (select 4 courses)	CSCI 6443	Digital Transformation (3)			
		CSCI 6701	Intro. To Health Informatics (3)			
		CSCI 6705	Foundations of Clinical Process & Workflows (3)			
		CSCI 6710	Healthcare Analytics and Applications (3)			
		HCMG 5100	Health Systems Administration (3)	Fall		
		HCMG 6100	Information Mgmt.-Health Care (3)	Fall/Spring		
		CSCI 6093	Adv. Topics in Information Systems	Spring		
Research techniques (3 credit hours)		CSCI 6574	Research Techniques (3)	Fall/Spring		3
Select one track (3 credit hours)	Project Track	CSCI 6598	Special Project (3)	Fall/Spring		
	Thesis Track	CSCI 6601	Thesis (3)	Fall/Spring		
	Course Only Track	CSCI				

Total Credits

30

Note:

1. Take CSCI 6574 in the first semester if you plan to graduate in 3 semesters. CSCI 6574 is a prerequisite for CSCI 6598/6601.
2. Identify a CSIT professor to serve as your supervisor before you take CSCI 6601 or CSCI 6598.
3. CSCI 6601 or CSCI 6598 must be scheduled in your last semester of the graduate program.
4. A graduate student can take at most 12 credit hours in each semester, and at most 6 credit hours if placed on Academic Probation. Graduate students whose institutional GPA falls below the minimum acceptable GPA of 3.0 are placed on Academic Probation.
5. A grade of at least C is required for each course, but a student must achieve a cumulative institutional GPA of at least 3.00 in all graduate courses taken at the time of graduation.

MSDS Program Recommended Sequences of Courses for 3 Semester Completion

Data Management & Intelligence Concentration		Knowledge & Information Systems Concentration		Health Informatics Concentration	
Fall Semester		Fall Semester		Fall Semester	
CSCI 5101	Fndn Info Sys Sec Ethics	CSCI 5101	Fndn Info Sys Sec Ethics	CSCI 5101	Fndn Info Sys Sec Ethics
CSCI 5112	Sys Analysis & Design	CSCI 5112	Sys Analysis & Design	CSCI 5112	Sys Analysis & Design
CSCI 6307	Fndn AI & Deep Learn	CSCI 6307	Fndn AI & Deep Learn	HCMG 5100	Health Sys Adm
CSCI 6574	Research Techniques	CSCI 6574	Research Techniques	CSCI 6574	Research Techniques
Spring Semester		Spring Semester		Spring Semester	
CSCI 5201	DB Theory & Design	CSCI 5201	DB Theory & Design	CSCI 5201	DB Theory & Design
CSCI 5317	OS Admin & Security	CSCI 5317	OS Adm & Sec	CSCI 5317	OS Admin & Security
CSCI 6093	Adv Topics in Info Sys	CSCI 6093	Adv Topics in Info Sys	CSCI 6093	Adv Topics in Info Sys
CSCI 6308	Cloud Computing	CSCI 6012	Info Risk Mgmt	CSCI 6701	Intro to Health Inform
Fall Semester		Fall Semester		Fall Semester	
CSCI 6433	Web App Dev	CSCI 6433	Web App Dev are	HCMG 6100	Info Mgmt Health Care
CSCI 6598 /	Special Project /	CSCI 6598 /	Special Project /	CSCI 6598 /	Special Project /
6601 / ____	Thesis / ____	6601 / ____	Thesis / ____	6601 / ____	Thesis / ____

Data Management & Intelligence Concentration		Knowledge & Information Systems Concentration		Health Informatics Concentration	
Fall Semester		Fall Semester		Fall Semester	
CSCI 5101	Fndn Info Sys Sec Ethics	CSCI 5101	Fndn Info Sys Sec Ethics	HCMG 5100	Health Sys Adm
CSCI 6574	Research Techniques	CSCI 6574	Research Techniques	CSCI 6574	Research Techniques
Spring Semester		Spring Semester		Spring Semester	
CSCI 5201	DB Theory & Design	CSCI 5201	DB Theory & Design	CSCI 5201	DB Theory & Design
CSCI 5317	OS Admin & Security	CSCI 5317	OS Adm & Sec	CSCI 5317	OS Admin & Security
CSCI 6093	Adv Topics in Info Sys	CSCI 6093	Adv Topics in Info Sys	CSCI 6093	Adv Topics in Info Sys
CSCI 6308	Cloud Computing	CSCI 6012	Info Risk Mgmt	CSCI 6701	Intro to Health Inform
Fall Semester		Fall Semester		Fall Semester	
CSCI 5112	Sys Analysis & Design	CSCI 5112	Sys Analysis & Design	CSCI 5101	Fndn Info Sys Sec Ethics
CSCI 6307	Fndn AI & Deep Learn	CSCI 6307	Fndn AI & Deep Learn	CSCI 5112	Sys Analysis & Design
CSCI 6433	Web App Dev	CSCI 6433	Web App Dev	HCMG 6100	Info Mgmt Health Care
CSCI 6598 /	Special Project /	CSCI 6598 /	Special Project /	CSCI 6598 /	Special Project /
6601 / ____	Thesis / ____	6601 / ____	Thesis / ____	6601 / ____	Thesis / ____

Data Management & Intelligence Concentration		Knowledge & Information Systems Concentration		Health Informatics Concentration	
Fall Semester		Fall Semester		Fall Semester	
CSCI 5101	Fndn Info Sys Sec Ethics	CSCI 5101	Fndn Info Sys Sec Ethics	CSCI 5101	Fndn Info Sys Sec Ethics
CSCI 5112	Sys Analysis & Design	CSCI 5112	Sys Analysis & Design	HCMG 5100	Health Sys Adm
CSCI 6574	Research Techniques	CSCI 6574	Research Techniques	CSCI 6574	Research Techniques
Spring Semester		Spring Semester		Spring Semester	
CSCI 5317	OS Adm & Sec	CSCI 5317	OS Adm & Sec	CSCI 5201	DB Theory & Design
CSCI 5701	Intro to Cybersec	CSCI 5701	Intro to Cybersec	CSCI 5317	OS Adm & Sec
CSCI 6093	Adv Topics in Info	CSCI 6093	Adv Topics in Info Sys	CSCI 6093	Adv Topics in Info Sys
CSCI 6308	SysCloud Computing	CSCI 6012	Intro to Risk Mgmt	CSCI 6701	Intro to Health Inform
Fall Semester		Fall Semester		Fall Semester	
CSCI 6307	Fndn AI & Deep Learn	CSCI 6307	Fndn AI & Deep Learn	CSCI 5112	Sys Analysis & Design
CSCI 6433	Web App Dev	CSCI 6433	Web App Dev	HCMG 6100	Info Mgmt Health Care
CSCI 6598 /	Special Project /	CSCI 6598 /	Special Project /	CSCI 6598 /	Special Project /
6601 / ____	Thesis / ____	6601 / ____	Thesis / ____	6601 / ____	Thesis / ____

Data Management & Intelligence Concentration		Knowledge & Information Systems Concentration		Health Informatics Concentration	
Spring Semester		Spring Semester		Spring Semester	
CSCI 5201	DB Theory & Design	CSCI 5201	DB Theory & Design	CSCI 5201	DB Theory & Design
CSCI 5317	OS Adm & Sec	CSCI 5317	OS Adm & Sec	CSCI 5317	OS Adm & Sec
CSCI 6093	Adv Topics in Info Sys	CSCI 6093	Adv Topics in Info Sys	CSCI 6093	Adv Topics in Info Sys
CSCI 6574	Research Techniques	CSCI 6574	Research Techniques	CSCI 6574	Research Techniques
Fall Semester		Fall Semester		Fall Semester	
CSCI 5101	Fndn Info Sys Sec Ethics	CSCI 5101	Fndn Info Sys Sec Ethics	CSCI 5101	Fndn Info Sys Sec Ethics
CSCI 5112	Sys Analysis & Design	CSCI 5112	Sys Analysis & Design	CSCI 5112	Sys Analysis & Design
CSCI 6307	Fndn AI & Deep Learn	CSCI 6307	Fndn AI & Deep Learn	HCMG 5100	Health Sys Adm
CSCI 6433	Web App Dev	CSCI 6433	Web App Dev	HCMG 6100	Info Mgmt Health Care
Spring Semester		Spring Semester		Spring Semester	
CSCI 6308	Cloud Computing	CSCI 6012	Info Risk Mgmt	CSCI 6701	Intro to Health Inform
CSCI 6598 /	Special Project /	CSCI 6598 /	Special Project /	CSCI 6598 /	Special Project /
6601 / ____	Thesis / ____	6601 / ____	Thesis / ____	6601 / ____	Thesis / ____

Data Management & Intelligence Concentration		Knowledge & Information Systems Concentration		Health Informatics Concentration	
Spring Semester		Spring Semester		Spring Semester	
CSCI 5201	DB Theory & Design	CSCI 5201	DB Theory & Design	CSCI 5201	DB Theory & Design
CSCI 6574	Research Techniques	CSCI 6574	Research Techniques	CSCI 6574	Research Techniques
Fall Semester		Fall Semester		Fall Semester	
CSCI 5101	Fndn Info Sys Sec Ethics	CSCI 5101	Fndn Info Sys Sec Ethics	CSCI 5101	Fndn Info Sys Sec Ethics
CSCI 5112	Sys Analysis & Design	CSCI 5112	Sys Analysis & Design	CSCI 5112	Sys Analysis & Design
CSCI 6307	Fndn AI & Deep Learn	CSCI 6307	Fndn AI & Deep Learn	HCMG 5100	Health Sys Adm
CSCI 6433	Web App Dev	CSCI 6433	Web App Dev	HCMG 6100	Info Mgmt Health Care
Spring Semester		Spring Semester		Spring Semester	
CSCI 5317	OS Adm & Sec	CSCI 5317	OS Adm & Sec	CSCI 5317	OS Adm & Sec
CSCI 6093	Adv Topics in Info Sys	CSCI 6093	Adv Topics in Info Sys	CSCI 6093	Adv Topics in Info Sys
CSCI 6308	Cloud Computing	CSCI 6012	Info Risk Mgmt	CSCI 6701	Intro to Health Inform
CSCI 6598 /	Special Project /	CSCI 6598 /	Special Project /	CSCI 6598 /	Special Project /
6601 / ____	Thesis / ____	6601 / ____	Thesis / ____	6601 / ____	Thesis / ____

Data Management & Intelligence Concentration		Knowledge & Information Systems Concentration		Health Informatics Concentration	
Spring Semester		Spring Semester		Spring Semester	
CSCI 5201	DB Theory & Design	CSCI 5201	DB Theory & Design	CSCI 5201	DB Theory & Design
CSCI 5317	OS Adm & Sec	CSCI 5317	OS Adm & Sec	CSCI 5317	OS Adm & Sec
CSCI 6574	Research Techniques	CSCI 6574	Research Techniques	CSCI 6574	Research Techniques
Fall Semester		Fall Semester		Fall Semester	
CSCI 5101	Fndn Info Sys Sec Ethics	CSCI 5101	Fndn Info Sys Sec Ethics	CSCI 5101	Fndn Info Sys Sec Ethics
CSCI 5112	Sys Analysis & Design	CSCI 5112	Sys Analysis & Design	CSCI 5112	Sys Analysis & Design
CSCI 6307	Fndn AI & Deep Learn	CSCI 6307	Fndn AI & Deep Learn	HCMG 5100	Health Sys Adm
CSCI 6433	Web App Dev	CSCI 6433	Web App Dev	HCMG 6100	Info Mgmt Health Care
Spring Semester		Spring Semester		Spring Semester	
CSCI 6093	Adv Topics in Info Sys	CSCI 6093	Adv Topics in Info Sys	CSCI 6093	Adv Topics in Info Sys
CSCI 6308	Cloud Computing	CSCI 6012	Info Risk Mgmt	CSCI 6701	Intro to Health Inform
CSCI 6598 /	Special Project /	CSCI 6598 /	Special Project /	CSCI 6598 /	Special Project /
6601 / ____	Thesis / ____	6601 / ____	Thesis / ____	6601 / ____	Thesis / ____