SMU Lyle School of Engineering

COMPUTER SCIENCE MASTER'S DEGREE PLAN

SMU ID Number _____   Name _____

SMU email: _____   Phone# _____

ARTICULATION COURSE(S)   Course numbers and titles - please list any articulation courses taken.

CORE COURSES (6 hours) 2 of the following 4 courses plus CS 8098*

			Instructor	Hours	Term	Grade
1.	CS 7330	Databases		3		
2.	CS 7343	Operating Systems		3		
3.	CS 7350	Algorithm Engineering		3		
4.	CS 7381	Computer Architecture		3		

Specializations (select one) *Specializations require 2 specialization core courses and 2 specialization elective courses*

AI and Machine Learning (core)

			Hours	Term	Grade
CS 7320	Artificial Intelligence		3		
CS 7324	Machine Learning in Python		3		

Cyber Security (core)

CS 7339	Computer System Security		3		
CS 7349	Data & Network Security		3		

Software Engineering (core)

CS 7314	Software Testing/Quality Assurance		3		
CS 7319	Software Architecture and Design		3		
CS 7340	Service-Oriented Software Engineering		3		

Theory of Computation (core)

CS 7350	Algorithm Engineering		3		
CS 8350	Algorithms II		3		

Specialization ELECTIVES (6 hours)

1.			3		
2.			3		

Electives (12 hours)

1.			3		
2.			3		
3.			3		
4.			3		
*CS 8098 (required)	Computer Science Seminar (zero-hour)		0		
	(REQUIRED HOURS = 30) **TOTAL**				

Note: A minimum of two 8000-level courses or Masters Thesis must be listed on degree plan.

_____   _____   _____   _____
Advisor   Date   CS Department Chair   Date

_____   _____
Director of Graduate Division   Date

All Lyle graduate degrees must be completed within a 7 year window. Most courses are offered during alternating semesters to allow some flexibility.

Fall - 2 courses Spring - 2 courses
Fall - 2 courses Spring - 2 courses
Fall - 2 courses

Graduation in Fall term (2.5 years)

Fall - 1 course/Spring - 1 course - year 1 - 2 courses
Fall - 1 course/Spring - 1 course - year 2 - 2 courses
Fall - 1 course/Spring - 1 course - year 3 - 2 courses
Fall - 1 course/Spring - 1 course - year 4 - 2 courses
Fall - 1 course/Spring - 1 course - year 5 - 2 courses
Graduation in Spring term of year 5

7/2023