

**COMPUTER SCIENCE MASTER'S DEGREE PLAN  
GRADUATE DIVISION - SMU SCHOOL OF ENGINEERING**

SMU ID Number \_\_\_\_\_

Name \_\_\_\_\_

E-mail Address \_\_\_\_\_

Phone# \_\_\_\_\_

ARTICULATION COURSE(S)	Course Title	Instructor	Hours	Term	Grade

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

1. CS 7330	File Organization & Database Mgmt.				
2. CS 7343	Operating Systems and System Software				
3. CS 7350	Algorithm Engineering				
4. CS 7381	Computer Architecture				

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

**AI and Machine Learning (core)**

CS 7320	Artificial Intelligence				
CS 7324	Machine Learning in Python				

**Cyber Security (core)**

CS 7339	Computer System Security				
CS 7349	Data & Network Security				

**Software Engineering (core)**

CS 7319	Software Architecture and Design				
CS 7314	Software Testing/Quality Assurance				

**Theory of Computation**

CS 7350	Algorithm Engineering				
CS 8350	Algorithms II				

**Specialization ELECTIVES (6 hours)**

1.					
2.					

**Electives (12 hours)**

1.					
2.					
3.					
4.					
*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.

APPROVED: \_\_\_\_\_

Advisor

Date

CS Department Chair

Date

\_\_\_\_\_  
Director of Graduate Division

Date

NOTE: ANY REVISIONS MUST BE APPROVED BY ADVISOR, CSE DEPT. CHAIR AND DIRECTOR OF GRADUATE DIVISION

1/2020