



Computational Science MS Degree Plan (Non-Thesis: 34 Credits)

Student Name:	Email and Cell Phone:
UTEP ID:	Office Location and Phone:
Undergraduate Major:	Student Type: Full-time / Part-time
Previous Graduate Study Area:	Start Date:
CPS Research Advisor(s):	Expected Graduation Date:
CPS Graduate Advisor: Dr. Ming-Ying Leung mleung@utep.edu; 915.747.6836	GRE Scores: Verbal (); Quantitative (); Analytical Writing ()
For Course Registration: Computational Science Office computationalscience@utep.edu ; 915.747.8484	TOEFL/IELTS Scores (if applicable):

Core Courses (13 credits; *first 2 courses may be taken concurrently)	Semester	Grade
MATH 5329 – Numerical Analysis*		
CPS 5401 – Introduction to Computational Science*		
CPS 5310 – Mathematical and Computer Modeling (prerequisite: CPS 5401)		
CPS 5320 – Advanced Scientific Computing (prerequisite: CPS 5310)		
Prescribed Electives (6 credits; choose 2 from the following list) CS: CS 5334 and CS 5350; MATH: MATH 5330, MATH 5343, and MATH 5345 STAT: STAT 5329 and STAT 5385		
1.		
2.		
Free Electives (Choose 4 from the following areas) <ul style="list-style-type: none"> • Computer Science (CS courses) • Mathematics and Statistics (MATH or STAT courses) • Science and Engineering (STEM courses other than CS, MATH, and STAT) Extra courses taken in the list of Prescribed Electives can be used as Free Electives.	Semester	Grade
1.		
2.		
3.		
4.		
Graduate Research (3 credits)	Semester	Grade
CPS 5397 – Graduate Research		

Graduate Seminars (Each student is required to enroll in CPS 5195 with one credit-hour once during each academic year up to a total of 2 semesters. This seminar class does not count toward the degree requirement.)	Semester	Grade
1. CPS 5195 – Graduate Seminar		
2. CPS 5195 – Graduate Seminar		
Comprehensive Examination (Mandatory)	Semester	Grade
Testing on 2 of 4 CPS core courses during the graduating semester		
Leveling Courses and Prerequisites (To be completed in Year 1)		
CS 1320 Computer Programming Sci/Engr. (or equivalent: CS 1301 + CS 1101)		
MATH 2313 – Calculus III		
MATH 3323 – Matrix Algebra (MATH 1312 as prereq in , Grade:)		

NOTES: