Computational Science MS Degree Plan (Thesis Option: 31 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 ONE from the following areas) • 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
Graduate Research (3 credits)		
CPS 5397 – Graduate Research		

Graduate Thesis (6 credits)	Semester	Grade
1. CPS 5398 – Graduate Thesis		
2. CPS 5399 – Graduate Thesis (taken after CPS 5398 each semester until graduation)		
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		
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: