

Major Planning Worksheet

Applied Mathematics (44-46 hours)

Bachelor of Science

2023-2024 Catalog

Name: _____ ID Number: _____

Planned Degree Completion Date: Mo. _____ Yr. _____

Required Courses		Hours
	CPTR 105 Computer Programming	3.0
	OR	
	CPTR 111 Foundations of Computer Science I	4.0
	DATA 210 Statistical Analysis	4.0
	MATH 121 Calculus I	4.0
	MATH 122 Calculus II	4.0
	MATH 130 Discrete Mathematics	4.0
	MATH 233 Scientific Computing	3.0
	MATH 245 Ordinary Differential Equations	3.0
	MATH 251 Linear Algebra I	4.0
	MATH 315 Probability and Simulation	3.0
	MATH 330 Operations Research Models	3.0
	MATH 475 Internship in Mathematics	
	OR	3.0
	MATH 499 Senior Project	

Six hours of approved electives selected from:

	CHEM 341 Physical Chemistry I	3.0
	CPTR 310 Algorithms & Data Structures	3.0
	CPTR 430 Machine Learning	3.0
	DATA 242 Data Analytics	3.0
	MATH 231 Multivariable Calculus	4.0
	MATH 340 Linear Algebra II	3.0
	MATH 380/480 Special Problems	1.0-4.0
	MATH 385/485 Seminar	1.0-4.0

Notes: