Major Planning Worksheet
Applied Mathematics (44-46 hours)
Bachelor of Science
2021-2022 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 (W)	
	OR		3.0
	MATH 499	Senior Project (W)	

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

*Courses satisfy the Bachelor of Science Degree requirement

Notes: