

Major Planning Worksheet

Applied Mathematics (44-46 hours)

Bachelor of Science

2022-2023 Catalog

Name: _____ ID Number: _____

Planned Degree Completion Date: Mo. _____ Yr. _____

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

Six hours of approved electives selected from:

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

*Courses satisfy the Bachelor of Science Degree requirement

Notes: