

Major Planning Worksheet

Data Science (53-55 hours)

Bachelor of Science

2022-2023 Catalog

Name: _____ ID Number: _____

Planned Degree Completion Date: Mo. _____ Yr. _____

Required Courses		Hours
<input type="checkbox"/>	CPTR 111 Foundations of Computer Science I	4.0
<input type="checkbox"/>	CPTR 113 Foundations of Computer Science II	3.0
<input type="checkbox"/>	CPTR 430 Machine Learning	3.0
<input type="checkbox"/>	DATA 110 Introduction to Data Science	4.0
<input type="checkbox"/>	DATA 210 Statistical Analysis*	4.0
<input type="checkbox"/>	OR	4.0
<input type="checkbox"/>	PSYC 241 Stats & Research Design I	
<input type="checkbox"/>	DATA 227 Statistical Computing	1.0
<input type="checkbox"/>	DATA 231 Database Programming & Design	4.0
<input type="checkbox"/>	DATA 242 Data Analytics*	3.0
<input type="checkbox"/>	DATA 331 Data Acquisition & Management	3.0
<input type="checkbox"/>	DATA 431 The Data Professional	1.0
<input type="checkbox"/>	DATA 475 Internship in Data Science (W)	
<input type="checkbox"/>	OR	3.0
<input type="checkbox"/>	DATA 499 Senior Project in Data Science (W)	
<input type="checkbox"/>	MATH 125 Mathematical Modeling	4.0
<input type="checkbox"/>	MATH 130 Discrete Mathematics	4.0
<input type="checkbox"/>	MATH 315 Probability & Simulation*	3.0

One course selected from:

<input type="checkbox"/>	BUS 111 Foundations of Business	3.0
<input type="checkbox"/>	BUS 231 Principles of Management	3.0
<input type="checkbox"/>	BUS 234 Principles of Marketing	3.0

Six hours of approved electives from:

BUS 310, 322, 444, 461; CPTR 310, 340, 424; DATA 275, 385; ENVS 215; IDIV 205; MATH 233, 330; POSC 325; PSYC 341

<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	_____

*Courses satisfy the Bachelor of Science Degree requirement

Notes: