

# Major Planning Worksheet

## Data Science (53-55 hours)

### Bachelor of Science

2021-2022 Catalog

Name: \_\_\_\_\_ ID Number: \_\_\_\_\_

Planned Degree Completion Date: Mo. \_\_\_\_\_ Yr. \_\_\_\_\_

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

#### One course selected from:

BUS 111	Foundations of Business	3.0
BUS 231	Principles of Management	3.0
BUS 234	Principles of Marketing	3.0

#### Nine 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

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\*Courses satisfy the Bachelor of Science Degree requirement

Notes: