

CROSS DISCIPLINARY STUDIES MINOR IN DATA SCIENCE

CSC/CPE 101	Fundamentals of Computer Science	4
CSC/CPE 202	Data Structures	4
CSC/CPE 203	Project-Based Object-Oriented Programming and Design	4
CSC 248 or MATH 248	Discrete Structures Methods of Proof in Mathematics	4
CSC 349	Design and Analysis of Algorithms	4
CSC 365	Introduction to Database Systems	4
CSC 369	Introduction to Distributed Computing	4
CSC 466	Knowledge Discovery from Data	4
DATA 301	Introduction to Data Science	4
DATA 401	Data Science Process and Ethics	3
DATA 402	Mathematical Foundations of Data Science	3
DATA 403	Data Science Projects Laboratory	1
DATA 451	Data Science Capstone I	2
DATA 452	Data Science Capstone II	2
MATH 143	Calculus III	4
MATH 206 or MATH 244	Linear Algebra I Linear Analysis I	4
STAT 302 or STAT 312	Statistics II Statistical Methods for Engineers	4
STAT 305	Introduction to Probability and Simulation	4
STAT 334	Applied Linear Models	4
STAT 331	Statistical Computing with R	4
STAT 419	Applied Multivariate Statistics	4
Technical Electives (CSC/DATA/MATH/PHYS/STAT)		5
Total units		80