



Bachelor of Science in: Data Science
For Students Following the: 2019-2020 catalog

Name & Student ID:
Catalog Year:

SUPPORT COURSES (21 Hours)				
Course	Pre-req	Credits	Term	Grade
MAT 128	Calculus A	MAT 119 (≥ B-)	3	
MAT 227	Calculus B	MAT 128	3	
MAT 228	Calculus C	MAT 227	3	

OR

MAT 129	Calculus I	MAT 119 (≥ B-)	4	
MAT 229	Calculus II	MAT 129 or MAT 227	5	

AND

MAT 234	Linear Algebra	MAT 228 or MAT 229	3	
STA 250	Probability and Statistics I	MAT 129 or Co-req MAT 227	3	
STA 341	Statistics II	STA 250	3	
ECO 201	Principles of Microeconomics	Completion of one college-level MAT course	3	

INFORMATICS CORE COURSES (9 Hours)				
Course	Pre-req	Credits	Term	Grade
INF 120	Elementary Programming (or placement)	MAT 102 or placement	3	
INF 128	Principles of Informatics		3	
INF 286	Introduction to Web Development	MAT 103 & INF 110 or INF 120 or CSC 260	3	

BUSINESS INFORMATICS CORE COURSES (15 Hours)				
Course	Pre-req	Credits	Term	Grade
BIS 275	Introduction to Business Analysis		3	
BIS 300	Management Information Systems	Junior standing or BUS 101 or BIS 275; STA 212, 205R, or STA 250; & BIS 101 or BI Department Permission	3	
BIS 330	IT Project Management	BIS 275 or BIS 300	3	
BIS 384	Business Analytics	BIS 380 or DSC 311	3	
BIS 430	Business Process Analysis	BIS 300; Junior standing; Declared College of Informatics major or minor or certified business major or minor or department consent	3	

COMPUTER SCIENCE CORE COURSES (12 Hours)				
Course	Pre-req	Credits	Term	Grade
CSC 260	Object-Oriented Programming I	MAT 103 & INF 110 or INF 120	3	
CSC 360	Object-Oriented Programming II	CSC 260 & MAT 119 (≥ B-)	3	
CSC 350	Database Programming	CSC 360	3	
CSC 364	Data Structures and Algorithms	CSC 360	3	

DATA SCIENCE CORE COURSES (19 Hours)				
Course	Pre-req	Credits	Term	Grade
DSC 101	Introduction to Data Science		1	

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Approved Exceptions

Successful MAT 129 CLEP Exam

Successful ECO 201 CLEP Exam

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Successful INF 120 CPLE
Successful INF 286 CPLE

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Successful BIS 300 DSST Exam
BIS 420 per MD

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Successful CSC 260 CPLE

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