



Bachelor of Science in: Data Science

For Students Following the:
2017-2018 catalog

Name & 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)	MAHD099	3	
INF 128	Principles of Informatics		3	
INF 282	Introduction to Databases	MAHD099 (≥ C)	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; STA 212, STA 205 or STA 250 or BIS 275; & BIS 101 or equivalent transfer work or placement	3	
BIS 330	IT Project Management	BIS 275 or BIS 300	3	
BIS 384	Business Analytics	BIS 380 or DSC 311	3	
BIS 430	Workflow Design and Management	Declared BIS minor or certified business major or College of Informatics major	3	

COMPUTER SCIENCE CORE COURSES (15 Hours)				
Course	Pre-req	Credits	Term	Grade
CSC 260	Object-Oriented Programming I	MAT 109 & INF 110 or INF 120	3	
CSC 360	Object-Oriented Programming II	CSC 260 & MAT 119 (≥B-)	3	
CSC 364	Data Structures and Algorithms	CSC 360	3	
CSC 450	Database Management Systems	CSC 360 & INF 282	3	
CSC 3xx - 4xx	(Guided Elective)	Variable	3	

DATA SCIENCE CORE COURSES (16 Hours)				
Course	Pre-req	Credits	Term	Grade

OFFICE USE ONLY

Approved
Exceptions

Successful MAT
129 CLEP Exam

Successful ECO
201 CLEP Exam

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Exceptions

Successful INF
120 CPLE

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Exceptions

Successful BIS
300 DSST Exam

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Exceptions

Successful CSC
260 CPLE

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Approved
Exceptions

