

Bachelor of Science in: Data Science
For Students Following the:
2018-2019 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	

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OR

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

Successful MAT 129 CLEP Exam

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	

Successful ECO 201 CLEP Exam

INFORMATICS CORE COURSES (12 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	
INF 286	Introduction to Web Development	MAT 109 and INF 110 or INF 120 or CSC 260	3	

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Successful INF 120 CPLE
Successful INF 286 CPLE

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 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	Business Process Analysis	BIS 300; Junior standing; Declared College of Informatics major or minor or certified business major or minor	3	

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Successful BIS 300 DSST Exam
BIS 420 per MD

COMPUTER SCIENCE CORE COURSES (12 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	

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Successful CSC 260 CPLE

DATA SCIENCE CORE COURSES (19 Hours)

Course	Pre-req	Credits	Term	Grade
DSC 101	Introduction to Data Science		1	

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