

2024-2025 catalog

		Pre-req	Credits	Term	Grade	Notes
STA 205	Statistical Methods	MAT 101 or placement	3			Successful STA 205 DSST
OR						
STA 205R	Statistical Methods with Recitation		3			
OR						
STA 250	Probability and Statistics I	MAT 129 or Pre-req or Co-req MAT 227	3			
INF 282	Introduction to Databases	MAT 102 (C) or placement	3			
BIS 320	Descriptive Analytics & Visualization	INF 282 & STA 205 or STA 205R or STA 250	3			
BIS 360	Predictive Analytics	BIS 320 or BIS 380	3			
BIS 380	Quantitative Analysis for Business	Sophomore Standing & STA 205 or STA 205R or STA 250	3			
BIS 460	Prescriptive Analytics	BIS 380 or pre-req or co-req of DSC 311	3			

		Pre-req	Credits	Term	Grade	Notes
INF 120	Elementary Programming (or placement)	MAT 102 or MAT 114 or placement	3			Successful Completion of INF 120 CPLE
CIT 130	Information Technology Fundamentals	MAT 101 or placement and ENG 101 ready	3			
CIT 171	Introduction to Linux	ENG 101 ready	1			
INF 284	Introduction to Computer Networks	MAT 102 or higher & INF 110, INF 120 or				

CSC 260	Object-Oriented Programming I	MAT 103 & INF 110, INF 120 or CSC 270	3	Successful Completion of CSC 260 CPLE
CSC 270	Mathematics Software Programming	MAT 128 or MAT 129	3	
EGT 267	Programming for Engineering Applications	EGT 161 or EGT 162 or PHY 222	3	
STA 360	Statistical Computing	STA 305 or any 300- level STA course or Instructor Consent	3	

CIT 383	Scripting I	INF 120 & CIT 271 or CIT 371	3	Successful Completion of CSC 260 CPLE
CSC 260	Object-Oriented Programming I	MAT 103 & INF 110 or INF 120 or CSC 270	3	
CSC 270	Mathematics Software Programming	MAT 128 or MAT 129	3	
DSC 411	Data Mining	DSC 311 & CSC 364, & STA 250	3	
DSC 421	Big Data	DSC 411 & pre req or co-req of CSC 350	3	
EGT 267	Programming for Engineering Applications	EGT 161 or EGT 162 or PHY 222	3	
STA 314	Design and Analysis of Experiments	STA 305	3	
STA 360	Statistical Computing	STA 305 or any 300- level STA course or Instructor Consent	3	

				Pre-req	Credits	Term	Grade	Notes
GEO 415	Cartography			Sophomore Standing	3			
GEO 418	Geographic Information Systems			Sophomore Standing	4			
GEO 419	Remote Sensing of Environment			Sophomore Standing	3			
GEO 518	Geographic Information Analysis			GEO 418	3			

BIS 330	IT Project Management			BIS 300	3			
CIT 472	Database Administration			2(3)-2.85 536.88 13.5€				

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LIBRARY INFORMATICS MINOR (21 Hours)						Notes
Course	Pre-req	Credits	Term	Grade		
LIN 175	Information Literacy		3			Successful LIN 175 CPLE
LIN 300	Information in Our Society		3			
LIN 302	Digital Searching Interfaces		3			
LIN 400	Current Trends in Information Studies		3			
LIN 414	Advanced Information Literacy Skills	LIN 175	3			
SELECT 2 OF THE FOLLOWING:						
LIN 101	Career Paths for Information Professions		3			
LIN 303	Critical Reading		3			
LIN 394	Topics	Variable	3			
LIN 405	Intellectual Property and Information Rights	Junior Standing or Instructor Consent	3			
LIN 414	Advanced Information Literacy Skills	LIN 175	3			
LIN 420	Management in Library and Information Centers	Junior Standing	3			
LIN 496	Senior Capstone	LIN Major and Senior Standing	3			
LIN 499	Independent Study: Library Informatics	Department Consent	1-3			

Students must earn a grade of "C-" or better and a 2.00 GPA in all courses that apply to the minor. Please consult with your advisor and the appropriate University Course Catalog for all other degree requirements.