



**COMPUTER SCIENCE MINOR (24 Hours)**

Course		Pre-req	Credits	Term	Grade
INF 120	Elementary Programming (or placement)	<b>MAT 102</b> or placement	<b>3</b>		
CSC 260	Object-Oriented Programming I	<b>MAT 103</b> & INF 110 or INF 120 or placement	<b>3</b>		
CSC 360	Object-Oriented Programming II	CSC 260 & MAT 119 (≥ B-)	<b>3</b>		
CSC 362 <b>OR</b> CSC 364	Computer Systems Data Structures & Algorithms	CSC 360	<b>3</b>		
CSC 2xx-4xx			<b>3</b>		
CSC 2xx-4xx			<b>3</b>		
INF, CIT, or CSC Elective			<b>3</b>		
INF, CIT, or CSC Elective			<b>3</b>		

OFFICE USE ONLY
Approved Exceptions
Successful Completion of INF 120 CPLE
Successful Completion of CSC 260 CPLE
Successful Completion of CSC 360 CPLE

**DATA SCIENCE MINOR (22 Hours)**

Course		Pre-req	Credits	Term	Grade
DSC 101	Introduction to Data Science		<b>1</b>		
DSC 200	Data Wrangling	INF 120 or CSC 260 & INF 286, & STA 205 or STA 205R or STA 250	<b>3</b>		
DSC 311	Data Analytics	DSC 200 & STA 250	<b>3</b>		
DSC 321	Data Visualization	DSC 311	<b>3</b>		
INF 282 <b>OR</b> CSC 350	Introduction to Databases Database Programming	<b>MAT 102</b> (≥ C) or placement CSC 360	<b>3</b>		
INF 286	Introduction to Web Development	<b>MAT 103</b> & INF 110, INF 120, or CSC 260	<b>3</b>		
STA 250	Probability and Statistics I	<b>MAT 129</b> or co-req of <b>MAT 227</b>	<b>3</b>		
<b>SELECT 1 OF THE FOLLOWING:</b>					
BIS 305	Advanced Business Programming	INF 110 or INF 120	<b>3</b>		
CIT 383	Scripting I	INF 120 & CIT 271 or CIT 371	<b>3</b>		
CSC 260	Object-Oriented Programming I	<b>MAT 103</b> & INF 110 or INF 120 or placement	<b>3</b>		
CSC 270	Mathematics Software Programming	<b>MAT 128</b> or <b>MAT 129</b>	<b>3</b>		
DSC 411	Data Mining	CSC 364 & STA 250	<b>3</b>		
DSC 421	Big Data	DSC 411 & CSC 350 (pre-req or co-req)	<b>3</b>		
EGT 267	Programming for Engineering Applications	EGT 161 or PHY 222	<b>3</b>		
STA 314	Design and Analysis of Experiments	STA 305 or STA 250; or ≥ B- in STA 205	<b>3</b>		
STA 360	Statistical Computing	STA 305 or any 300-level STA course or permission of instructor	<b>3</b>		

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Successful Completion of INF 286 CPLE
Successful Completion of CSC 260 CPLE

**GEOGRAPHIC INFORMATION SYSTEMS MINOR (19-20 Hours)**

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CIT 430	Computer Forensics	CIT 480 or CIT 371 and CIT 285 or BIS 382	<b>3</b>			
CIT 484	Network Security	CIT 247 and CIT 285 or CIT 480	<b>3</b>			
CIT 485	Advanced Cybersecurity	CIT 285 or CIT 480 and CIT 371	<b>3</b>			
CSC 482	Computer Security	CSC 362	<b>3</b>			
CSC 483	Cryptology	<b>MAT 234</b> or CSC 362 or CSC 364	<b>3</b>			

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.