

2020-2021 catalog

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		Pre-req	Credits	Term	Grade	Approved Exceptions
INF 120	Elementary Programming (or placement)	MAT 102 or placement	3			Successful Completion of INF 120 CPLE
CIT 130	Information Technology Fundamentals	MAT 102 or placement and ENG 101R or placement	3			
INF 284	Introduction to Computer Networks	MAT 103 or higher & INF 110, INF 120 or CIT 130	3			Network+ Certification
<b>OR</b>						
CIT 247	Networking Fundamentals	CIT 130 & INF 284	3			Cisco CEN Certification or Successful Completion of CIT 247 Competency Exam
CIT 285	Cybersecurity Fundamentals	CIT 130 & INF 284 or CIT 247	3			Security+ Certification
CIT 371	Unix Systems	INF 120 & CIT 130 & CIT 247 or INF 284	3			Successful Completion of CIT 371 CPLE
CIT 430	Computer Forensics	CIT 480 only or CIT 371 & either CIT 285 or BIS 382	3			
JUS 101	Introduction to Criminal Justice		3			
JUS 204	Criminal Investigation		3			
JUS 320	Advanced Crime Scene Technology & Criminalistics	JUS 101 & JUS 204 & Sophomore Standing	3			
JUS 404	Evidence Preparation & Courtroom Testimony	JUS 101 & Sophomore Standing	3			
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		Pre-req	Credits	Term	Grade	Approved Exceptions
INF 110	Introduction to Application Development		3			
<b>OR</b>						
INF 120	Elementary Programming (or placement)	MAT 102 or placement	3			Successful Completion of INF 120 CPLE
<b>OR</b>						
CSC 260	Object-Oriented Programming I	MAT 103 & INF 110 or INF 120 or CSC 270 or placement	3			Successful Completion of CSC

INF 284	Introduction to Computer Networks	MAT 103 and INF 110, INF 120 or CIT 130	3		<b>Network+ Certification</b>
CIT 271	Windows Administration	INF 120 & CIT 247 or INF 284	3		
<b>OR</b>					
CIT 371	Unix Systems	INF 120 & CIT 130 & CIT 247 or INF 284	3		<b>Successful Completion of CIT 371 CPLE</b>
CIT 3xx-4xx			3		
ASE, CIT, CSC, CYS, DSC, or INF Elective			3		
ASE, CIT, CSC, CYS, DSC, or INF Elective			3		

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		Pre-req	Credits	Term	Grade	Approved Exceptions
INF 120	Elementary Programming (or placement)					

CSC 350	Database Programming	CSC 360	3	
INF 286	Introduction to Web Development	MAT 103 & pre-req or co-req of INF 110, INF 120, or CSC 260	3	<b>Successful Completion of INF 286 CPLE</b>
STA 250	Probability and Statistics I	MAT 129 or co-req of MAT 227	3	
CIT 383	Scripting I	INF 120 & CIT 271 or CIT 371	3	
CSC 260	Object-Oriented Programming I	MAT 103 & INF 110, INF 120 or CSC 270	3	<b>Successful Completion of CSC 260 CPLE</b>
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	
CSC 260	Object-Oriented Programming I	MAT 103 & INF 110 or INF 120 or CSC 270	3	<b>Successful Completion of CSC 260 CPLE</b>
CSC 270	Mathematics Software Programming	MAT 128 or MAT 129	3	
DSC 411	Data Mining	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 or STA 250; or B- in STA 205	3	
STA 360	Statistical Computing	STA 305 or any 300-level STA course or instructor permission	3	

### GEOGRAPHIC INFORMATION SYSTEMS MIN-3(OMCID (9))TJT-2

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		Pre-req	Credits	Term	Grade	Approved Exceptions
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 275 or BIS 300	3			
CIT 472	Database Administration	INF 282 & CIT 271 & CSC 260 or CIT 383	3			
CSC 440	Software Engineering	CSC 402 & CSC 439 & Senior Standing	3			
CSC 450	Database Systems	CSC 350 & CSC 364	3			
CSC 480	Computer Graphics	CSC 364 & MAT 234	3			
ENV 408 w/ ENV 408L	Ecology of the City & Laboratory	BIS 304 & GEO 418 ENV 408L (co-req)	4			

GEO 314 Maps & Map Interpretation

Sophomore Standing  
or Instructor Consent

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GEO 492 Directed Research: Geography

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