



**Minors Checklist**

For Students Following the:  
2020-2021 catalog

Name:
Student ID:
Catalog Year:

COMPUTER FORENSICS MINOR (30 Hours)						OFFICE USE ONLY
Course	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 OR	Introduction to Computer Networks	MAT 103 or higher & INF 110, INF 120 or CIT 130	3			Network+ Certification
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			

COMPUTER INFORMATION TECHNOLOGY MINOR (21 Hours)						OFFICE USE ONLY
Course	Pre-req	Credits	Term	Grade	Approved Exceptions	
INF 110 OR	Introduction to Application Development		3			Successful Completion of INF 120 CPLE
INF 120	Elementary Programming (or placement)	MAT 102 or placement	3			
CSC 260 OR	Object-Oriented Programming I	MAT 103 & INF 110 or INF 120 or CSC 270 or placement	3			
CIT 130	Information Technology Fundamentals	MAT 102 or placement & ENG 101R or placement	3			Successful Completion of CSC 260 CPLE

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

<b>COMPUTER SCIENCE MINOR (24 Hours)</b>						<b>OFFICE USE ONLY</b>
<b>Course</b>		<b>Pre-req</b>	<b>Credits</b>	<b>Term</b>	<b>Grade</b>	<b>Approved Exceptions</b>
INF 120	Elementary Programming (or placement)	MAT 102 or placement	3			<b>Successful Completion of INF 120 CPLE</b>
CSC 260	Object-Oriented Programming I	MAT 103 & INF 110 or INF 120 or CSC 270 or placement	3			<b>Successful Completion of CSC 260 CPLE</b>
CSC 360	Object-Oriented Programming II	CSC 260 & MAT 119 (≥ B-)	3			<b>Successful Completion of CSC 360 CPLE</b>
CSC 362 OR	Computer Systems	CSC 360	3			
CSC 364	Data Structures & Algorithms	CSC 360	3			
CSC 2xx-4xx			3			
CSC 2xx-4xx			3			
ASE, CIT, CSC, CYS, DSC, or INF Elective			3			
ASE, CIT, CSC, CYS, DSC, or INF Elective			3			

<b>DATA SCIENCE MINOR (22 Hours)</b>						<b>OFFICE USE ONLY</b>
<b>Course</b>		<b>Pre-req</b>	<b>Credits</b>	<b>Term</b>	<b>Grade</b>	<b>Approved Exceptions</b>
DSC 101	Introduction to Data Science		1			
DSC 200	Data Wrangling	INF 120 or CSC 260 & INF 286, & STA 205 or STA 205R or STA 250	3			
DSC 311	Data Analytics & Visualization	DSC 200 & STA 250	3			
INF 282 OR	Introduction to Databases	MAT 102 (≥ C) or placement	3			

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			Successful Completion of INF 286 CPLE
STA 250	Probability and Statistics I	MAT 129 or co-req of MAT 227	3			
<b>SELECT 1 OF THE FOLLOWING PROGRAMMING COURSES:</b>						
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			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			
<b>SELECT 1 OF THE FOLLOWING ELECTIVES (not taken in the Programming section above):</b>						
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			Successful Completion of CSC 260 CPLE
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			

<b>GEOGRAPHIC INFORMATION SYSTEMS MINOR (19-20 Hours)</b>						<b>OFFICE USE ONLY</b>
<b>Course</b>	<b>Pre-req</b>	<b>Credits</b>	<b>Term</b>	<b>Grade</b>	<b>Approved Exceptions</b>	
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			
<b>SELECT 2 OF THE FOLLOWING:</b>						
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	3			
GEO 492	Directed Research: Geography	3 semester hours of geography & Instructor Consent	3			
GEO 592	Directed Research in Geography	Instructor Consent	3			
GLY 415	Earth Science Applications of GIS	Sophomore Standing	3			

<b>INFORMATION SECURITY MINOR (30 Hours)</b>						<b>OFFICE USE ONLY</b>
<b>Course</b>		<b>Pre-req</b>	<b>Credits</b>	<b>Term</b>	<b>Grade</b>	
INF 120	Elementary Programming (or placement)	MAT 102 or placement	3			Approved Exceptions Successful Completion of INF 120 CPLE
CIT 130	Information Technology Fundamentals	MAT 102 or placement & ENG 101R or placement	3			
CIT 247	Networking Fundamentals	CIT 130 & INF 284	3			Approved Sub: INF 284 or 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
STA 205 OR STA 205R OR STA 250	Statistical Methods  Statistical Methods with Recitation  Probability & Statistics I	MAT 101 and ENG 101R or RDG 110 or placement   MAT 129 or MAT 227 (co req)	3  3  3			Successful Completion of STA 205 DSST
BIS 300	Management Information Systems	Junior Standing or BUS 101 or BIS 275, STA 212 or STA 205 or STA 205R or STA 250, & BIS 101	3			Successful BIS 300 DSST
BIS 330	IT Project Management	BIS 275 or BIS 300	3			
BIS 382	Principles of Information Security	BIS 300 or equivalent	3			
<b>SELECT 1 OF THE FOLLOWING:</b>						
CIT 430	Computer Forensics	CIT 480 or CIT 371 & CIT 285 or BIS 382	3			
CIT 484	Network Security	CIT 247 & CIT 285 or CIT 480	3			CCNA Security
CIT 485	Advanced Cybersecurity	CIT 285 or CIT 480 & CIT 371	3			
CSC 482	Computer Security	CSC 362	3			
CSC 483	Cryptology	MAT 234 or CSC 362 or CSC 364	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.