



**School of Computing and Analytics
Minors Checklist**

**For Students Following the:
2024-2025 catalog**

Name:
Student ID:
Catalog Year:

BUSINESS ANALYTICS MINOR (18 Hours)					
	Course	Pre-req	Credits	Term	Grade
STA 205 OR	Statistical Methods	MAT 101 or placement	3		
STA 205R OR	Statistical Methods with Recitation		3		
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		

Notes
Successful STA 205 DSST

COMPUTER FORENSICS MINOR (31 Hours)					
	Course	Pre-req	Credits	Term	Grade
INF 120	Elementary Programming (or placement)	MAT 102 or MAT 114 or placement	3		
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 OR	Introduction to Computer Networks	MAT 102 or higher & INF 110, INF 120 or CIT 130	3		
CIT 247	Networking Fundamentals	CIT 130 & CIT 171 & INF 284	3		
CYS 285	Cybersecurity Fundamentals	CIT 130 & CIT 171 & INF 284 or CIT 247	3		
CIT 371	Linux System Administration	INF 120 & CIT 130 & CIT 171	3		

Notes
Successful Completion of INF 120 CPLE
Network+ Certification
Cisco CEN Certification or CIT 247 Competency Exam
Security+ Certification
Linux+ Certification or Successful Completion of CIT 371 CPLE

CYS 430	Computer Forensics	CIT 371 & either CYS 285, CYS 320, 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 SCIENCE MINOR (24 Hours)					
Course		Pre-req	Credits	Term	Grade
INF 120	Elementary Programming (or placement)	MAT 102 or MAT 114 or placement	3		
CSC 260	Object-Oriented Programming I	MAT 103; INF 110 or INF 120 or CSC 270 or placement	3		
CSC 360	Object-Oriented Programming II	CSC 260 & MAT 119 (≥ B-) or placement	3		
CSC 362	Computer Systems	CSC 360	3		
OR 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		

Notes
Successful Completion of INF 120 CPLE
Successful Completion of CSC 260 CPLE
Successful Completion of CSC 360 CPLE

*EGT 267 may count as 3 credit hours from the above if the student has not also taken CSC 267.

DATA SCIENCE MINOR (22 Hours)					
Course		Pre-req	Credits	Term	Grade
DSC 101	Introduction to Data Science	Freshman Standing or Department Approval	1		
DSC 200	Data Wrangling	INF 286, INF 120 or CSC 260; STA 205 or STA 205R or STA 250; pre-req or co-req of DSC 101 or INF 282	3		
DSC 311	Data Analytics & Visualization	DSC 200 & STA 250	3		
INF 282	Introduction to Databases	MAT 102 (≥ C) or placement	3		
OR 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		
STA 250	Probability and Statistics I	MAT 129 or co-req of MAT 227	3		
SELECT 1 OF THE FOLLOWING PROGRAMMING COURSES:					
CIT 383	Scripting I	INF 120 & CIT 271 or CIT 371	3		

Notes
Successful Completion of INF 286 CPLE

HEALTH INFORMATICS MINOR (25 Hours)

Course		Pre-req	Credits	Term	Grade
HIN 101	Introduction to Health Informatics		1		
HIN 200	Introduction to Healthcare Operations		3		
INF 282	Introduction to Databases	MAT 102 (≥ C) or placement	3		
HIN 355	Foundations of Health Informatics	45 earned credit hours	3		
HIN 356	Health Information Management	HIN 355	3		
BIS 300	Management Information Systems	Sophomore Standing; STA 205 or STA 205R or STA 250; & BIS 101 or Department Consent	3		
BIS 330	IT Project Management	BIS 300	3		
BIS or HIN Electives		See Catalog	3		
		See Catalog	3		

Notes
Successful BIS 300 DSST

INFORMATION SECURITY MINOR (31 Hours)

Course		Pre-req	Credits	Term	Grade
INF 120	Elementary Programming (or placement)	MAT 102 or MAT 114 or placement	3		
CIT 130	Information Technology Fundamentals	MAT 101 or placement & ENG 101 ready	3		
CIT 171	Introduction to Linux	ENG 101 ready	1		
INF 284	Introduction to Computer Networks	MAT 102 & INF 110 or INF 120 or CIT 130	3		
CYS 285	Cybersecurity Fundamentals	CIT 130 & CIT 171 & INF 284 or CIT 247	3		
CIT 371	Linux System Administration	INF 120 & CIT 130 & CIT 171	3		
STA 205	Statistical Methods	MAT 101 or placement	3		
OR					
STA 205R	Statistical Methods with Recitation		3		
OR					
STA 250	Probability & Statistics I	MAT 129 or MAT 227 (co req)	3		
BIS 300	Management Information Systems	Sophomore Standing; STA 205 or STA 205R or STA 250; & BIS 101 or BI Departmental Permission	3		
BIS 330	IT Project Management	BIS 300	3		
BIS 382	Information Security Management	BIS 300	3		
SELECT 1 OF THE FOLLOWING:					
CYS 385	Cybersecurity Analysis I	INF 120; CIT 271 or CIT 371; & CYS 285	3		
CYS 430	Computer Forensics	CIT 371 & either CYS 285, CYS 320, or BIS 382	3		
CYS 484	Network Security	INF 284 & CYS 285	3		
CSC 482	Computer Security	CSC 362	3		

Notes
Successful Completion of INF 120 CPLE
Network+ Certification Security+ Certification Linux+ Certification or Successful Completion of CIT 371 CPLE
Successful Completion of STA 205 DSST
Successful BIS 300 DSST
CCNP Security Core Exam (350-701)

INFORMATION SYSTEMS MINOR (21 Hours)					
Course		Pre-req	Credits	Term	Grade
INF 110 OR	Introduction to Application Development		3		
INF 120	Elementary Programming	MAT 102 or MAT 114 or placement	3		
INF 282	Introduction to Databases	MAT 102 (≥ C) or placement	3		
BIS 300	Management Information Systems	Sophomore Standing; STA 205 or STA 205R or STA 250; & BIS 101 or Department Consent	3		
BIS 310	Systems Analysis and Design	INF 110 or INF 120; BIS 300; & Junior Standing	3		
BIS 330	IT Project Management	BIS 300	3		
SELECT 2 OF THE FOLLOWING:					
BIS 320	Descriptive Analytics & Visualization	INF 282 & STA 205 or STA 205R or STA 250	3		
BIS 380	Quantitative Analysis for Business	Sophomore Standing & STA 205 or STA 205R or STA 250	3		
BIS 382	Information Security Management	BIS 300	3		
BIS 430	Business Process Analysis	BIS 300; Junior Standing & certified major	3		

Notes
Successful INF 120 CPLE
Successful BIS 300 DSST

INFORMATION TECHNOLOGY MINOR (22 Hours)					
Course		Pre-req	Credits	Term	Grade
INF 110 OR	Introduction to Application Development		3		
INF 120 OR	Elementary Programming (or placement)	MAT 102 or MAT 114 or placement	3		
CSC 260	Object-Oriented Programming I	MAT 103 & INF 110 or INF 120 or CSC 270 or placement	3		
CIT 130	Information Technology Fundamentals	MAT 101 or placement & ENG 101 ready	3		
CIT 171	Introduction to Linux	ENG 101 ready	1		
INF 284	Introduction to Computer Networks	MAT 102; INF 110, INF 120 or CIT 130	3		
CIT 271 OR	Windows Administration	INF 120; CIT 247 or INF 284	3		
CIT 371	Linux System Administration	INF 120; CIT 130; CIT 171	3		
CIT 3xx-4xx			3		
ASE, CIT, CSC, CYS, DSC, or INF Elective			3		
ASE, CIT, CSC, CYS, DSC, or INF Elective			3		

Notes
Successful Completion of INF 120 CPLE
Successful Completion of CSC 260 CPLE
Network+ Certification
Linux+ Certification or Successful Completion of CIT 371 CPLE

LIBRARY INFORMATICS MINOR (21 Hours)					
Course		Pre-req	Credits	Term	Grade
LIN 175	Information Literacy		3		
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		
Notes					
Successful LIN 175 CPLE					

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.