



School of Computing and Analytics Minors Checklist

For students on the following catalogs:
2025-2026

Name:
Student ID:
Catalog Year:

BUSINESS ANALYTICS MINOR (18 Hours)					
Course	Pre-req	Credits	Term	Grade	
STA 205 OR STA 205R OR STA 250	Statistical Methods Statistical Methods with Recitation Probability and Statistics I	MAT 101 or placement MAT 129 or pre-req or co-req MAT 227	3 3		
INF 282	Introduction to Databases	MAT 102 (≥ C) or placement	3		
ISBA320	Descriptive Analytics & Visualization	INF 282 or ISBA300 & STA 205 or STA 205R or STA 250	3		
ISBA360	Predictive Analytics	ISBA320 or ISBA380	3		
ISBA380	Quantitative Analysis for Business	Sophomore Standing & STA 205 or STA 205R or STA 250	3		
ISBA460	Prescriptive Analytics	ISBA380 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 CIT 247	Introduction to Computer Networks Networking Fundamentals	MAT 102 & INF 110 or INF 120 or CIT 130 CIT 130 & CIT 171 & INF 284	3 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

CSC 260	Object-Oriented Programming I	MAT 103 & INF 110, INF 120 or CSC 270	3		
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		
SELECT 1 OF THE FOLLOWING ELECTIVES (not taken in the Programming section above):					
CIT 383	Scripting I	INF 120 & CIT 271 & CIT 371	3		
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 200 & 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		

Successful Completion of CSC 260 CPLE
Successful Completion of CSC 260 CPLE

GEOGRAPHIC INFORMATION SYSTEMS MINOR (19-20 Hours)					
Course	Pre-req	Credits	Term	Grade	
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		
SELECT 2 OF THE FOLLOWING:					
ISBA330	IT Project Management	ISBA300	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 332	Visualizing Environmental Data in R	Sophomore Standing or Instructor Permission	3		
ENV 408 w/ ENV 408L	Ecology of the City & Laboratory	BIO 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	1-3		
GEO 592	Directed Research in Geography	Instructor Consent	1-3		
GLY 415	Earth Science Applications of GIS	Sophomore Standing	3		

Notes
OCA Oracle Certified Associate

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		

Notes

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		
ISBA300	Management Information Systems	Sophomore Standing; STA 205 or STA 205R or STA 250; & ISBA101 or Department Consent	3		
ISBA330	IT Project Management	ISBA300	3		
ISBA or HIN Electives		See Catalog	3		
		See Catalog	3		

Successful ISBA300 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 pre-req or co-req MAT 227	3		
ISBA300	Management Information Systems	Sophomore Standing; STA 205 or STA 205R or STA 250; & ISBA101 or Departmental Permission	3		
ISBA330	IT Project Management	ISBA300	3		
ISBA382	Information Security Management	ISBA300 or CSC 350	3		
SELECT 1 OF THE FOLLOWING:					
CYS 385	Cybersecurity Analysis I	INF 120 & CYS 285	3		
CYS 430	Computer Forensics	CIT 371 & either CYS 285, CYS 320, or ISBA382	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 ISBA300 DSST
CCNP Security Core Exam (350-701)

INFORMATION SYSTEMS MINOR (21 Hours)					
Course		Pre-req	Credits	Term	Grade
INF 110 OR INF 120	Introduction to Application Development Elementary Programming	MAT 102 or MAT 114 or placement	3		
INF 282	Introduction to Databases	MAT 102 (≥ C) or placement	3		
ISBA300	Management Information Systems	Sophomore Standing; STA 205 or STA 205R or STA 250; & ISBA101 or Department Consent	3		
ISBA310	Systems Analysis and Design	INF 110 or INF 120; ISBA300; & Junior Standing	3		
ISBA330	IT Project Management	ISBA300	3		
SELECT 2 OF THE FOLLOWING:					
ISBA320	Descriptive Analytics & Visualization	INF 282 or ISBA300 & STA 205 or STA 205R or STA 250	3		
ISBA380	Quantitative Analysis for Business	Sophomore Standing & STA 205 or STA 205R or STA 250	3		
ISBA382	Information Security Management	ISBA300 or CSC 350	3		
ISBA430	Business Process Analysis	ISBA300; Junior Standing & COB or COI major or minor or Dept. Approval	3		

Notes
Successful INF 120 CPLE
Successful ISBA300 DSST

INFORMATION TECHNOLOGY MINOR (22 Hours)					
Course		Pre-req	Credits	Term	Grade
INF 110 OR INF 120 OR CSC 260	Introduction to Application Development Elementary Programming (or placement) Object-Oriented Programming I	MAT 102 or MAT 114 or placement MAT 103 & INF 110 or INF 120 or CSC 270 or placement	3 3 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		
CIT 271 OR CIT 371	Windows Administration Linux System Administration	INF 120; CIT 247 or INF 284 INF 120 & CIT 130 & CIT 171	3 3		
CIT 3xx-4xx			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

