

Bachelor of Science 2023-24
CIS Information Technology Option
CIP Code: 110101

Major Code CI04
Cr Hrs

General Education CORE 42 Requirements 42*		39
Area 1A	Social & Behavioral Sciences	6
Area 1B	Civic Engagement	3
Area 2A	Written Communication	6
Area 2B	Oral Communication	3
Area 3A	Natural Science Non-Lab	3
Area 3B	Natural science With Lab	4
Area 4	Mathematics (MATH 130,135,140,150)	
Area 5A	Humanities	6
Area 5B	Fine Arts	3
Area 5C	Global Competencies	3
Area 5D	Health and Wellness	2
UE 100	University Experience (met by IET 105)	
CIS Core Requirements		30
CIS 110	Programming I	3
CIS 202	Information Systems I	3
CIS 210	Programming II	3
CIS 308	Website Administration I	3
CIS 310	Database Management Systems I	3
CIS 315	Computer Networks	3
CIS 340	Website Administration II	3
CIS 350	Data Structures	3
CIS 410	Information Systems II	3
CIS 425	Database Management Systems II	3
CIS Professional Electives Choose to total		12
CIS 298	Topics in Computer Information Science (3)	
CIS 325	Windows Lan Administration (3)	
CIS 345	UNIX System Admin (3)	
CIS 355	Enterprise Network Admin & Security (3)	
CIS 385	Mobile Application Development (3)	
CIS 395	App Development for IOS Devices (3)	
CIS 405	Cryptography & .NET Security (3)	
CIS 440	Computer Forensics I (3)	
CIS 445	Computer Forensics II (3)	
CIS 491	Internship in CIS (maximum of 6 hours)	
CIS 498	Adv. Topics in Computer Information Science (3)	
CIS 499	Independent Study (3)	

Supporting Requirements		27-29
ACCT 201	Financial Accounting	3
CIS 240	Python Programming	3
CIS 390	Introduction to Big Data Analytics	3
IET 105	Professional Skills	3
IET 205	Computer Application & Cost Analysis	3
IET 301	Project Mgmt Fundamentals & Application	3
MATH 310	Elementary Statistics	3
Choose one from the following		3-5
MATH 130	College Algebra (3)	
MATH 135	Trigonometry (3)	
MATH 140	Algebra & Trigonometry (5)	
MATH 150	Calculus I (5)	
Choose one from the following		3
ACCT 202	Managerial Accounting	
GB 301	Legal Environment of Business I	
IET 350	Industrial Supervision	
MET 220	Programmable Logic Control	
General Electives		10-12
Total Hours	Must include at 39 upper division (300-400) hrs	120

*Gen. Ed. Core 42 Area 4 met by required MATH in supporting requirements area

***May not select CIS 105 or 305. At most 6 hours may be CIS 491

*** Students must choose electives in such a way that at least two CIS certificates are earned.