Bachelor of Science 2021-2022
CIS Information Technology Option   **Major Code CI12**
Certificate in Continuous Process Improvement   **Code IE86**
CIP Code: 110101   **Cr Hrs**

		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 or above)	
Area 5A	Humanities	6
Area 5B	Fine Arts	3
Area 5C	Global Competencies	3
Area 5D	Health and Wellness	2
UE 100	**First Year Experience****	**1**
CIS Core Requirements		**33**
CIS 110	Programming I	3
CIS 202	Information Systems I	3
CIS 210	Programming II	3
CIS 310	Database Management Systems I	3
CIS 315	Computer Networks	3
CIS 345	UNIX System Administration	3
CIS 350	Data Structures	3
CIS 375	IT Project Management	3
CIS 410	Information Systems II	3
CIS 425	Database Management Systems II	3
CIS 450	Operating Systems	3
CIS Professional Electives**		**18**
Choose 2 pairs from the following 3 pairs of courses		12
CIS 230	Programming with RPG	
CIS 321	Advanced RPG	
OR		
CIS 234	Programming with COBOL	
CIS 334	Advanced COBOL	
OR		
CIS 308	Website Administration I	
CIS 340	Website Administration II	
CIS	ElectivesII	6
Supporting Concentration		**18**
IET 205	Computer Applications and Cost Analysis	3
GB 321 or IET 315 or MATH 310 OR PSY 320 Statistics		3
IET 320	Applied Statistical Control	3
IET 355	Work Measurement Ergonomics	3
IET 380	Principles of Lean	3
IET 470	Six Sigma Methodology	3
Supporting Requirement		**3**
MATH 130	College Algebra*	3
General Electives		**8**
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 3 hours may be CIS 491