

**Bachelor of Science 2024-2025****CIS Information Technology Option****Major Code CI12****Certificate in Continuous Process Improvement****Code IE86****CIP Code: 110101****Cr Hrs**

<b>General Education CORE 42 Requirements 42*</b>		<b>39</b>
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
<b>UE 100</b>	<b>University Experience** (met by IET 105)</b>	<b>0</b>
<b>Engineering Technology Supporting Requirements</b>		<b>6</b>
IET 105	Professional Skills	3
IET 301	Project Management Fundamentals & Applications	3
<b>CIS Core Requirements</b>		<b>30</b>
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
<b>Professional Electives</b>		<b>6</b>
Any courses with a MET, IET, or CIS prefix except CIS 105 & CIS 305		
<b>CIS Supporting Requirements</b>		<b>9</b>
CIS 240	Python Programming	3
CIS 390	Introduction to Big Data Analytics*	3
MATH 130	College Algebra*	3
<b>Supporting Concentration IE86 Certificate</b>		<b>18</b>
IET 230	Excel/Visio Applications	2
IET 235	Power BI Fundamentals	1
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
<b>General Electives</b>		<b>12</b>
<b>Total Hours</b>	Must include at 39 upper division (300-400) hrs	<b>120</b>

\*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