BACHELOR OF SCIENCE IN COMPUTER SOFTWARE TECHNOLOGY ANNUAL ASSESSMENT PLAN & FINDINGS 2018-2019 ACADEMIC YEAR

2018 – 2019 CURRICULUM MAP

	PLO 1 Apply knowledge of mathematics, computing, and scientific methods to system components and process development that meet requirement constraints in the software application domain.	PLO 2 Employ professionalism, ethics, and social responsibility values related to computer software technology tasks and projects.	PLO 3 Identify the software requirements that meet stakeholders' specifications and concerns by selecting the appropriate requirements and elicitation techniques.	PLO 4 Use proven techniques and patterns to design software structure before it is implemented.	PLO 5 Utilize values, skills, and critical thinking throughout computer software engineering decision making processes.	PLO 6 Apply established verification and validation techniques with well-defined objectives and targets to ensure that the software is meeting its stakeholders' specifications and deliverables.	PLO 7 Communicate complex software engineering concepts in a multidisciplinary team using a variety of formats.	PLO 7 Integrate modern knowledge, techniques, programming and management skills to develop and deliver reliable and complex software in a cost-effective manner.
MAT 232: Statistical Literacy	I			I	I	I	I	
ECO 203: Principles of Macroeconomics	R	I			R		R	I
ENG 328: Scientific and Technical Writing	R		R	R			R	R
INT 100: Fundamentals of Information Technology & Literacy	R	R	I	R	R	R	R	R
CPT 200: Fundamentals of Programming Languages	R	R	R		R	R		R
CPT 301: Computer Organization & Architecture	R							
CPT 304: Operating Systems Theory & Design	R							

Course								
CPT 307: Data, Structures, Algorithms, and Design	R	R			R			R
INT 301: Computer Networking	R				R			R
CPT 310: Database Systems & Management	R		R		R			R
CYB 300: System Administration and Security	R	R			R			
CST 301: Software Technology and Design	R	R	R	R	R	R	R	R
TMG 300: Scrum Basics	R				R		R	R
CST 304: Software Requirements and Analysis	R		R				R	R
CST 307: Software Architecture and Design	R			R	R		R	R
CST 310: Software Development	R		R		R			R
CST 313: Software Testing	R				R	R		R
CST 316: Information Security Management	R	R			R			R
CRJ 499: Capstone for Computer Software Technology	M	M	M	M	M	M	M	M

I (Introduced), **R** (Reinforced), or **M** (Mastered).

ANNUAL ASSESSMENT PLAN FINDINGS					
PLO 1 - Apply knowledge of mathematics, computing, and scientific methods to system components and process development that meet requirement constraints in the software application domain.					
MEASURE	**ACCEPTABLE TARGET**	**TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET**	**TOTAL NUMBER OF STUDENT RECORDS OBSERVED**	**ASSESSMENT RESULTS:** **PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET**	**ASSESSMENT RESULTS:** **1. EXCEEDS THE ACCEPTABLE TARGET** **2. MEETS THE ACCEPTABLE TARGET** **3. DOES NOT MEET THE ACCEPTABLE TARGET** **4. INSUFFICIENT DATA**
Direct Measure 1: CST 316 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a	N/A	N/A	N/A	4. INSUFFICIENT DATA

	proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.				
Direct Measure 2: CST 499 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA

PLO 2 - Employ professionalism, ethics, and social responsibility values related to computer software technology tasks and projects.

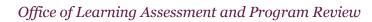| MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA

Direct Measure 1: CST 307 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA
Direct Measure 2: CST 499 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA

PLO 3 - Identify the software requirements that meet stakeholders' specifications and concerns by selecting the appropriate requirements and elicitation techniques.

MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET

					4. INSUFFICIENT DATA
Direct Measure 1: CST 310 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA
Direct Measure 2: CST 499 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA
PLO 4 - Use proven techniques and patterns to design software structure before it is implemented.					
MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET

					4. INSUFFICIENT DATA
Direct Measure 1: CST 307 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA
Direct Measure 2: CST 499 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA

PLO 5 - Utilize values, skills, and critical thinking throughout computer software engineering decision making processes.

MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET

					3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: CST 316 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA
Direct Measure 2: CST 499 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA
PLO 6 - Apply established verification and validation techniques with well-defined objectives and targets to ensure that the software is meeting its stakeholders' specifications and deliverables.					
MEASURE	**ACCEPTABLE TARGET**	**TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET**	**TOTAL NUMBER OF STUDENT RECORDS OBSERVED**	**ASSESSMENT RESULTS:** **PERCENTAGE OF STUDENT RECORDS MEETING**	**ASSESSMENT RESULTS:** **1. EXCEEDS THE ACCEPTABLE TARGET**

				ACCEPTABLE TARGET	2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: CST 313 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA
Direct Measure 2: CST 499 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA

PLO 7 - Communicate complex software engineering concepts in a multidisciplinary team using a variety of formats.

MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING	TOTAL NUMBER OF STUDENT	ASSESSMENT RESULTS:	ASSESSMENT RESULTS:

		ACCEPTABLE TARGET	RECORDS OBSERVED	PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: CST 307 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA
Direct Measure 2: CST 499 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA
PLO 8 - Integrate modern knowledge, techniques, programming and management skills to develop and deliver reliable and complex software in a cost-effective manner.					

MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET THE ACCEPTABLE TARGET 4. INSUFFICIENT DATA
Direct Measure 1: CST 310 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA
Direct Measure 2: CST 499 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA

OVERALL RECOMMENDATIONS
Since this is a new program, continue to collect PLO data.