

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

#### 2018 - 2019 CURRICULUM MAP PLO<sub>2</sub> PLO<sub>3</sub> PLO<sub>4</sub> PLO<sub>5</sub> PLO 7 PLO<sub>1</sub> PLO<sub>6</sub> PLO 7 Apply **Employ** Identify the Use proven Utilize vlqqA Communica Integrate knowledge professionali software techniques values, skills, established te complex modern sm, ethics, requirement and patterns and critical verification software knowledge, mathematics and social s that meet to design thinking and techniques, engineering software validation , computing, responsibility stakeholders throughout concepts in programmi and scientific values structure computer techniques ng and methods to related to specification before it is software with wellmultidiscipli manageme system computer s and implemente engineering defined nary team nt skills to d. software concerns by decision objectives develop and components using a and process technology selecting the making and targets variety of deliver tasks and development appropriate processes. to ensure formats. reliable and that meet that the complex projects. requirement requirement s and software is software in constraints elicitation meeting its a coststakeholders effective in the techniques. software manner. specification application domain. s and deliverables. MAT 232: Statistical Literacy ECO 203: Principles of Macroeconomics R R R R ENG 328: Scientific and Technical Writing R R R R INT 100: Fundamentals of Information ı R R R R R R R Technology & Literacy CPT 200: Fundamentals of Programming R R R R R R Languages CPT 301: Computer Organization & Architecture R CPT 304: Operating Systems Theory & Design R

# Office of Learning Assessment and Program Review



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	М	M	М	М	М	M	М

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

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Direct Measure 2: CST 499 Final Project	proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.  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
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

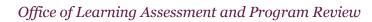




Direct Measure 1: CST 307 Final Project	70% of Bachelor of Science in Computer Software Technology students must receive a proficient, or distinguished evaluation on relevant content criteria mapped to this PLO.	N/A	N/A	N/A	4. INSUFFICIENT DATA
Direct Measure 2: CST 499 Final Project	70% of Bachelor 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 so and elicitation technic	ftware requirements that meet stakeholder ques.	s' specifications a	nd concerns by s	electing the approp	riate requirements
MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER	TOTAL	46656645515	
		OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	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



					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 tec	chniques and patterns to design software st	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 comp	outer software en	gineering decision	n 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
• • •	ned verification and validation techniques wers' specifications and deliverables.	rith well-defined o	bjectives and ta	rgets to ensure that	the software is
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  MEASURE	complex software engineering concepts in a  ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING	TOTAL NUMBER OF STUDENT	ASSESSMENT RESULTS:	ASSESSMENT RESULTS:

### Office of Learning Assessment and Program Review



		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.



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