BACHELOR OF SCIENCE IN CYBER & DATA SECURITY TECHNOLOGY ANNUAL ASSESSMENT PLAN & FINDINGS 2019-2020 ACADEMIC YEAR

2019 – 2020 CURRICULUM MAP

	PLO 1 Employ professionalism, ethics, and social responsibility values related to the cyber & data security technology professions.	PLO 2 Create an information security policy framework based upon the classification of data in the seven domains of the typical information technology infrastructure.	PLO 3 Develop a risk management plan of the seven domains of the typical Information technology infrastructure.	PLO 4 Construct the appropriate countermeasures to ensure the principles of information security.	PLO 5 Evaluate the local, national, and global impact of attacks and unauthorized use of digital assets on individuals, organizations, and society.	PLO 6 Prepare the appropriate solutions for business continuity to minimize the impact of a disruption or disaster utilizing current techniques, best practices, skills, and necessary security tools.
MAT 232: Statistical Literacy						I
ECO 203: Principles of Macroeconomics	I				I	I
ENG 328: Scientific & Technical Writing	R	R		R		R
INT 100: Fundamentals of Information Technology & Literacy	I	I	I	II		I
CPT 200: Fundamentals of Programming Languages	R	R		R	R	
CPT 301: Computer Organization and Architecture	R	R		R	R	
CPT 304: Operating Systems Theory and Design	R	R		R	R	R
CPT 307: Data Structures and Algorithms	R			R	R	
INT 301: Computer Networking	R	R	R	R	R	R

CPT 310: Database Systems and Management	R	R	R	R	R	R
CYB 300: System Administration and Security	R	R	R	R	R	R
CST 301: Software Tehnology and Design	R	R	R	R	R	R
TMG 300: Scrum Basics	R	R	R	R	R	R
CYB301: Introduction to Cyber & Data Security Technology	R	R	R	R	R	R
CYB 302: Secure Web Applications and Social Networking	R	R	R	R	R	R
CYB 400: Cryptography	R	R		R	R	R
CYB 401: Risk Management and Infrastructure	R	R	R	R	R	R
CYB 402: Computer Forensics	R	R		R	R	R
CYB 499: Capstone for Cyber & Data Security Technology	M	M	M	M	M	M

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

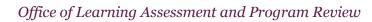| ANNUAL ASSESSMENT PLAN FINDINGS					
PLO 1 - Employ professionalism, ethics, and social responsibility values related to the cyber & data security technology professions.					
MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	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: CYB 402 Final Paper	70% of Bachelor of Science Cyber and Data Security 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: CYB 403 Final Paper	70% of Bachelor of Science Cyber and Data Security 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 - Create an information security policy framework based upon the classification of data in the seven domains of the typical information technology infrastructure.

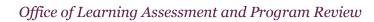| MEASURE	ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	TOTAL NUMBER OF STUDENT RECORDS OBSERVED	ASSESSMENT RESULTS: PERCENTAGE OF STUDENT RECORDS MEETING ACCEPTABLE TARGET	ASSESSMENT RESULTS: 1. EXCEEDS THE ACCEPTABLE TARGET 2. MEETS THE ACCEPTABLE TARGET 3. DOES NOT MEET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

Direct Measure 1: CYB 402 Final Paper	70% of Bachelor of Science Cyber and Data Security 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: CYB 403 Final Paper	70% of Bachelor of Science Cyber and Data Security 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 - Develop a risk management plan of the seven domains of the typical Information technology infrastructure.

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: CYB 401 Final Paper	70% of Bachelor of Science Cyber and Data Security 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: CYB 403 Final Paper	70% of Bachelor of Science Cyber and Data Security 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 - Construct the appropriate countermeasures to ensure the principles of information security.					
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: CYB 402 Final Paper	70% of Bachelor of Science Cyber and Data Security 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: CYB 403 Final Paper	70% of Bachelor of Science Cyber and Data Security 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 - Evaluate the local, national, and global impact of attacks and unauthorized use of digital assets on individuals, organizations, and society.					
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: CYB 402 Final Paper	70% of Bachelor of Science Cyber and Data Security 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: CYB 403 Final Paper	70% of Bachelor of Science Cyber and Data Security 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 - Prepare the appropriate solutions for business continuity to minimize the impact of a disruption or disaster utilizing current techniques, best practices, skills, and necessary security tools.					
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: CYB 402 Final Paper	70% of Bachelor of Science Cyber and Data Security 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: CYB 403 Final Paper	70% of Bachelor of Science Cyber and Data Security 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

Given the numerous changes that occurred during the 2019-20 academic year, program leads and faculty will monitor the 2019-20 data in conjunction with the 2020-21 academic year data.