

Cybersecurity Undergrad

Date: 1/03/2022

Program Name: Cybersecurity, Undergraduate Certificate

		Year 1	Year 2
Domain	Program-Level Student Learning Outcome (From ALC or ALP)	2019-2020	2020-2021
<b>Critical Thinking</b>	Apply security criteria to requirements analysis, design, and implementation of software systems.	<b>Data Collection:</b> Gather Baseline data in courses that introduce software testing methodologies.	<b>Improvement Plan:</b> Develop an improvement plan based upon student performance assessed in assignments or exams.
<b>Critical Thinking</b>	Develop and implement testing strategies that uncover previously unknown vulnerabilities.	<b>Data Collection:</b> Gather Baseline data in courses that introduce software testing methodologies.	<b>Improvement Plan:</b> Develop an improvement plan based upon student performance assessed in assignments or exams.

**Assessment Activity (Examples)**

Gather baseline data  
 (Revise rubric; gather data)  
 Implement actions for improvement  
 Follow-up assessment (impact data)

**Direct Measures:**

Exam questions  
 Student paper (rubric)  
 Presentation (rubric)

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Department: Comp. Sci.

Year 3	Year 4	Year 5
2021-2022	2022-2023	2023-2024
<b>Plan Implementation:</b> Address weaknesses identified in student performance in the curriculum.		
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**Methods of Assessment**

**Indirect Measures:**

- Focus group
- Exit interview
- Alumni survey

**External Direct Measures:**

- Supervisor/Employer feedback
- External professional exam