



Annual Assessment Report for Academic Programs

The University Assessment Team advocates for the enhancement of student learning through purposeful, meaningful, and feasible student-outcomes assessment practices. The Assessment Team seeks to collaborate with programs, departments, and units to ensure that effective assessment of student learning occurs across the University. To assist in meeting this goal, the Team requests that you complete this Annual Assessment Report form to document student learning in your program. A PDF version of this completed form will be posted to the Academic Affairs Assessment website. Please note that this Annual Assessment Report form should only be completed after you have an Assessment Plan for Academic Programs forms on file with the University Assessment Team. The plan is completed once and only updated when revisions have been made to components of the plan.

1. **Degree Level and Program Name:** BS in Cybersecurity
2. **College/School:** College of Humanities, Arts & Social Sciences
3. **Assessment Overview** - Briefly share how student learning outcomes assessment is conducted within your program/department (e.g. number of outcomes, examples of assignments used, and frequency of assessment).

The BS Cybersecurity program has four student learning outcomes, with two outcomes assessed each year. Faculty assess student learning outcomes using direct measures from embedded assignments: hands-on technical lab, exams, design cases, and projects using rubrics.

4. **Student Learning Outcomes & Benchmarks** -Which student learning outcome(s) from the assessment plan filed with the University Assessment Team is/are being reported on in this report? Include the corresponding benchmark(s) for each outcome.

SLO#1: Analyze a problem and identify and define the security risks and requirements appropriate to its solution. The benchmark for SLO #1 - at least 70% of the students earn a rubric equivalent total score of B or better on a cybersecurity risk analysis assignment.

SLO#2: Demonstrate the use of techniques, skills, and tools necessary for cyber defense within an organization. The benchmark for SLO #2 - at least 70% of the students earn a rubric equivalent total score of B or better on a hands-on multi-part technical assignment.

5. **Institutional Outcomes** - For which institutional outcome(s) do the reported student learning outcome(s) align?

SLO Outcome Alignment	Institutional Outcome
	I. Jesuit & Mercy Values
	II. Diversity & Cultural Awareness
Yes	III. Critical Thinking & Problem Solving
Yes	IV. Communication
Yes	V. Professionalism
	VI. Lifelong Learning



6. **Assessment Period:** Select the academic year for which you are reporting results (i.e. when data were collected):
2024-2025
7. **Program Assessment Results** -Briefly summarize the assessment results and how they relate to benchmark(s).

Outcome#1: 70% (7/10) of the Fall 2024 _CIS3850, Cybersecurity Risk Management students earned a rubric equivalent score of C or better on a cybersecurity risk analysis. The aggregate mean rubric scores, using a 20-point scale, indicate students' strength in their ability to analyze and evaluate how various cybersecurity practices contribute to an organization's risk management strategy. The weaknesses in the students who fell short were lack of meaningful depth in their analysis and significant under word count requirements. The 70% score met expected levels of 70%.

Outcome#2: 67% (10/15) of the Winter 2025 _CIS3720, Incident Response and Disaster Recovery students earned a rubric equivalent score of B or better on a hands-on multi-part technical lab assignment. The aggregate mean rubric scores, using a 20-point scale, indicated students' strength in their ability to troubleshoot and provide the correct technical commands and descriptions of a medium-level technical lab assignment. This was not an easy lab for undergraduate students. The weaknesses in the students who fell short were failing to follow instructions, lack of depth in documenting the technical details, and/or not able to state the correct answers. The 67% score fell slightly below the expected levels of 70%.

8. **Planned Actions and/or Actions Taken in Response to Assessment Results** - Briefly summarize how you are using the assessment results to enhance student learning and improve program quality.

BS in Cyber: In response to the assessment results, the department reviewed the identified areas and incorporated additional resources to improve technical troubleshooting skills and support from the Writing Center.