



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:** MS Cybersecurity Management
- 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 MS in Cybersecurity Management program has five student learning outcomes, with two outcomes assessed each year. Faculty assess student learning outcomes using direct measures from embedded assignments (e.g. hands-on technical labs, exam questions, 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: Demonstrate an understanding of the fundamental concepts, technologies, and challenges of ensuring network security. Benchmark for SLO #1 - at least 75% of the students earn a rubric equivalent total score of B or better on a technical 10-part lab assignment.

SLO#4: Analyze and evaluate systems with respect to maintaining operations in the presence of risks and threats. Benchmark for SLO #1 - at least 75% of the students earn a rubric equivalent total score of B or better on two final exam essay questions.

- 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
	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: 83% (5/6) of the Winter 2025_CYBE5770, Cyber Defense Operations students earned a rubric equivalent score of B or better on a 10-part technical hands-on lab assignment. The aggregate mean rubric scores, using a 24-point scale, indicated students' strength in their ability to analyze, investigate, and provide the correct technical answers to the Phishing Analysis II lab. The weaknesses in the student who fell short were failing to exercise time management and work to troubleshoot issues encountered in the technical BlueTeam Challenge. The 83% score exceeded the expected levels of 75%.

Outcome#2: 83% (5/6) of the Winter 2025_CYBE5750, Cybersecurity Technologies students earned a rubric equivalent score of B or better on two final exam essay questions. The aggregate mean rubric scores, using a 20-point scale, indicated students' strength in their deep understanding of enterprise security architecture and OSI Model security. The weakness in the student who fell short were failing to follow instructions, lack of depth in discussing specific security implications and non-technical functions in detail. The 83% score exceeded the expected levels of 75%.

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.

In response to the assessment results, the department reviewed the identified areas and incorporated additional resources to improve technical understanding for students who lacked the depth of knowledge in the subject matter.