

ASSESSMENT PLAN

Department/Program: Computing and Information Sciences / MS in Cyber Security

Student Learning Objectives (SLO) for Candidates for Masters in Cyber Security

Number and List Program SLOs

SLO #

1. Students will be able to articulate the tradeoffs between risks, technical objectives, and operational industrial practice.
2. Students will be able to employ a variety of tools, processes, and models in the development of system and infrastructure security.
3. Students will understand the legal and regulatory structure that forms part of the overall environment of hosts and networked systems.
4. Students will be able to comprehend and solve environmental and systemic problems created by a broad and evolving spectrum of concern through evaluation of the implementation and the employment of technologies in the light of user behavior and functional needs.

Outcome Measure	SLO's	Description of Departmental Use of Data
Final project(s) and final exams, IT 648 and IT 642	1	Faculty will review exams at the end of year faculty meeting to determine changes to be made either in future course content or evaluation instrument
Finals/projects in CYB 5xx courses, in addition to IT 646 and IT 533. (Note: course availability decisions in CYB partly influenced by ongoing shifts in applicability to industrial needs and practice.)	2	Faculty will review projects, labs, and exams from a representative sample of the top, bottom, middle of one or two elective courses. Coverage and comprehension will be compared against professional organization curricular guidelines (per ACM education committee documents).
Final Exam, IT 644	3	Faculty will review exam for coverage and general student performance.
Capstone Materials (Internship or Research) + IT 648 and 642 Final exams.	4	Faculty will review employer feedback and/or research outcomes for general applicability to goals and technical, communication polish and sophistication. If necessary, review of the GRAD 689 final exam and other materials will take place in consultation with responsible faculty.

For 6c, non-IT elective, as the materials and course are outside the department, faculty will consult with the relevant instructors for their feedback. The list of course(s) will be reviewed periodically for suitability of coverage and topics.

1. **Results**—Review activities and findings by completing the Assessment Activities Table below. You can also provide a brief discussion afterward if you feel it would help the committee understand your assessment activities and findings during this cycle.

Assessment Activities Table

This year we assessed SLO(s)... (list each SLO in its own row)	...using Outcome Measure(s) (OMs). (See Report Instructions for description and example) Direct OM(s): Indirect OM(s):	Findings: program-performance for these SLOs, as indicated by these OMs, is: Excellent/Satisfactory/Needs Improvement (See Report Instructions for description and example)	Strategies for Improvement (in selected areas): (See Report Instructions for description and example)
SLO1			
SLO2			
SLO#			
SLO#			
SLO#			
SLO#			
SLO#			
SLO#			
SLO#			
SLO#			

Discussion (Optional):

2. What **revisions**, if any, to current SLOs and/or outcome measures did you make from previous plan?
3. **Plans**- What learning objectives will you be assessing in the next cycle?