

ASSESSMENT PLAN

Department/Program: Computing and Information Sciences / MS in IT (Both Computing and Management Tracks)

Student Learning Objectives (SLO) for Candidates for Masters in IT

Number and List Program SLOs

SLO #

1. To understand and practice problem solving and strategic thinking within the student's field of study.
 - a. Students will understand the process and challenges of programming.
 - b. Students will learn to break down an IT problem in context.
2. To master the knowledge and skills pertinent to the student's field of study.
 - a. Students will acquire an extensive technical vocabulary.
 - b. Students will understand structured data and how it can be used.
 - c. Students will master use and operation of a complex computing environment.
3. To effectively articulate the ideas, concepts, and methods through written and oral presentation.
 - a. Students will be able to summarize technical activity and report on it.
 - b. Students will practice effective oral and written communication and receive and implement feedback.
4. To understand the connection between their knowledge and skills and their professional responsibility and external demands, including ethical and cultural sensitivity.
 - a. Students will understand the impact of technology and their support of it on society.
 - b. Students will consider human ability levels and factors in design and implementation of systems.
5. To integrate knowledge and methods of their study with cognates and other disciplines.
 - a. Students will learn techniques of modeling data from other disciplines.
 - b. Students will understand the role of the professional.
6. *[Management Track Specifically]* To manage IT solutions and fit those solutions into complex institutional environments.
 - a. Students will be able to understand the product lifecycle and how to manage IT solutions with respect to it.
 - b. Students will be able to communicate effectively with non-specialists about complex technical questions
 - c. Students will understand concepts from outside the IT discipline.
 - d. Students will understand the legal and societal context for IT solutions.
7. *[Computing Track Specifically]* To be well versed in ideas central to the modern computing discipline and profession.

- a. Students will understand and be able to use the client server model.
- b. Students will take human factors into consideration in the design of IT solutions.
- c. Students will understand aspects of digital data handling and security.

Outcome Measure	SLO's	Description of Departmental Use of Data
Final Exam, IT 502 – Introduction to Programming	1a	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 IT 535, 540, 560, 590, 630, 632, 640, 642, 646, 648, 654	2a, 7a, 7b, 7c	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 (ACM education committee documents).
Final Exam, IT 633 – Data Mining	2b, 5a	Faculty will review exam for coverage and general student performance.
Final Exam, IT 603 – Information Management	2b, 2c	
Capstone Materials (Internship or Research)	2c, 3a, 3b, 6b 5b, 6b	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.
Final Exam, IT 648 – Risk Management	1b, 4a, 4b	Faculty will review exams and projects at the end of year faculty meeting as above
IT 604 Project Management – selected Final binders (high/low/middle grade).	6a	Faculty will review collected documents from course (Final deliverable) for overall coverage and quality.
Final Exam, IT 644 – Technology, Law, & Policy	6d	Faculty will review exam for coverage and general student performance; coverage, comprehension will be compared against professional organization code of ethics (ACM).
Labs/assignments/projects, IT 510 – Intro to IT	2a, 3b, 6a, 7a, 7b, 7c	Faculty will review a sample of top, bottom, and middle for coverage

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?