Date: 9/28/2023 **Program Name: Computer Science, M.S** **CIP Code: 11.0101** **Department: Comp. Sci.**

Domain	Program-Level Student Learning Outcome (From ALC or ALP)	Year 1 2024-2025	Year 2 2025-2026	Year 3 2026-2027	Year 4 2027-2028	Year 5 2028-2029
Critical Thinking	Identify and analyze alternate approaches to solving computational problems.	**Improvement Plan:** Develop an improvement plan based upon student performance assessed in assignments or exams.	**Plan Implementation:** Address weaknesses identified in student performance in the curriculum.			**Data Collection:** Gather baseline data in courses that introduce methods to solve computational problems.
Content	Develop and analyze relevant algorithms and their efficient implementation in a variety of environments.	**Data Collection**: Gather baseline data from advanced development courses.	**Improvement Plan:** Develop an improvement plan based upon student performance assessed in assignments or exams.	**Plan Implementation:** Address weaknesses identified in student performance in the curriculum.		
Communication	Employ effective and professional technical writing and presentation skills.		**Data Collection**: Gather baseline communication data from COT 6931 CS Project or CIS 6971 Thesis.	**Improvement Plan:** Develop an improvement plan based upon student performance assessed in assignments or exams.	**Plan Implementation:** Address weaknesses identified in student performance in the curriculum.	
Integrity / Values	Identify ethical issues and responsibilities within the computing profession.	**Plan Implementation:** Address weaknesses identified in student performance in the curriculum..		**Data Collection**: Gather data for ethics and integrity values from COP 5725 Database Systems	**Improvement Plan:** Develop an improvement plan based upon student performance assessed in assignments or exams.	**Plan Implementation:** Address weaknesses identified in student performance in the curriculum..

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

Methods of Assessment   Apr-24

Direct Measures:	**Indirect Measures:**	**External Direct Measures:**
Exam questions	Exit interview	Supervisor/Employer feedback
Student paper (rubric)	Alumni survey	External professional exam
Presentation (rubric)		