

Date: 1/15/2020

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	Year 2	Year 3	Year 4	Year 5
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Critical Thinking	Identify and analyze alternate approaches to solving computational problems.	Data Collection: Gather baseline data in courses that introduce methods to solve 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.		
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.				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.

Assessment Activity (Examples)

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

Methods of Assessment

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