Program Name: Bachelor of Science, Interdisciplinary Sciences CIP Code: 30.0101 Department: HMCSE Dean

		Year 1	Year 2	Year 3	Year 4	Year 5
Domain	Program-Level Student Learning Outcome	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Content	Identify and apply key scientific concepts to address real-world questions and challenges.	Data Collection: Gather baseline data in courses that introduce content knowledge from exams and baseline data from core required upper level courses that reinforce content knowledge.	Improvement Plan: Implement improved introductory Biology interventions (workshops, recitations, HIPs).	Follow-Up Assessment - Data Collection: Assess exam data that reinforce content knowledge from exams from core required upper level courses that reinforce content knowledge to assess improvement from year 1.		Data Collection: Gather baseline data in courses that introduce content knowledge from exams and baseline data from core required upper level courses that reinforce content knowledge.
Critical Thinking	Solve problems using scientific methods and inquiry.		Data Collection: Gather baseline data from lab courses that assess experimental knowledge using exams or quizzes.	Improvement Plan: Implement	Follow-Up Assessment - Data Collection: Ffollow up from same lab courses that assess experimental knowledge using exams or quizzes.	
Communication	Communicate effectively in either verbal or written media	Data Collection: Gather baseline data from courses that require paper report or presentation. Use rubric to assess baseline performance.	Improvement Plan: Implement communication improvement plan and interventions (workshops, recitations, HIPs).	Follow-Up Assessment - Data Collection: Assess communication performance using rubric from courses that require paper report or presentation.		Data Collection: Gather baseline data in courses that introduce content knowledge from exams and baseline data from core required upper level courses that reinforce content knowledge.
Integrity / Values	Describe ethical challenges involved in conducting scientific research.		Data Collection: Assessment of student responses in a scientific ethics case study activity in a course required for all majors	Improvement Plan: Seek more involved case studies or speakers to discuss research ethics in the natural sciences	Follow-Up Assessment - Data Collection: Assessment of student responses in a scientific ethics case study activity to see if there were gains from previous data collection in a required for all majors	

Revised: November 7, 2019 Assessment Activity (Examples)

Gather baseline data (Revise rubric; gather data) Implement actions for improvement Follow-up assessment (impact data) **Direct Measures:** Exam questions Student paper (rubric) Presentation (rubric) Methods of Assessment
Indirect Measures: E
Focus group S
Exit interview E
Alumni survey

**External Direct Measures:**Supervisor/Employer feedback
External Professional Exam