Department: Chemistry
Chair: Dr. Glenn Cunningham
Participating Faculty: Dr. McGee and Dr. Cunningham

Program Name & CIP Code: Forensic Science, CIP # 43.0106 Level: Bachelor

Example of Linkage between Expanded Statement of Institutional Purpose, Departmental/Program Intended Outcomes/Objectives, Assessment Criteria and Procedures, Results, and Use of Results at our University

Expanded Statement of Institutional Purpose	Departmental/Program Intended Outcomes/Objectives	Assessment Criteria & Procedures	Assessment Results	Use of Results
Mission Statement: The Department of Chemistry has a multifaceted mission that includes providing the best education possible for our students, contributing significantly to tomorrow's knowledge through research, and being of service to our discipline, university, community, state and nation. The Department seeks to expand its unique and nationally recognized B. S. Forensic Science program into graduate education. Chemistry is the central science and has a strong relationship with other departments and institutes. Our plans are to further extend these academic ties by developing an interdisciplinary Ph.D. program which can help focus on areas of academic strength. Vision Statement: The Department of Chemistry has a multifaceted mission that includes providing the best education possible for our students, contributing significantly to tomorrow's knowledge through research, and being of service to our discipline, university, community, state and nation.	Students completing the requirements of the Forensic Science program will have: 1. An understanding of the role of the forensic scientist in the justice system. 2. A knowledge of the basic elements of comparative analysis and an understanding of the chain of evidence and the role it plays in the examination of physical evidence.	1-3. The student internship is the chief assessment tool in the curricula of the Forensic Science program. The student internship is a graded experience in which both the host forensic laboratory and the Forensic Science program participate. At the completion of the internship, the host laboratory is asked to complete a questionnaire covering specific skills and knowledge areas of the students' educational preparation and performance. A copy of this questionnaire is attached. Using this questionnaire, 80% of the interns will be rated as above average or outstanding on questionnaire items that deal with the role of the forensic scientist in the justice system, basic elements of comparative analysis, and fundamental preparation in forensic science (Outcomes #1, 2, and 3).	Students may intern during any semester; however, a majority of students intern during the summer semester. A critical assessment of the internship questionnaires received for all semesters in the academic year was conducted in May 1977. 1. One hundred percent of the student interns were rated above average/outstanding in their general understanding of the role of the forensic scientist in the justice system. 2. Ninety percent of the student interns were rated above average/outstanding in their knowledge of the basic elements of comparative analysis and an understanding of the chain of evidence and the role it plays in the examination of physical evidence.	1. Evaluation of the student internship reports indicated that the students educational preparation met the goal of an eighty percent above average/outstanding rating for most areas under evaluation except in the serology/biological area of forensic analysis. The major factor contributing to this low rating was that most student interns had not taken course work in this area of forensic analysis. In the future and as more students participate in our revised curriculum which requires all majors to take a course in serology/biological analysis, we anticipate that the eighty percent goal will be met. We will continue to monitor these criteria.

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Expanded Statement of Institutional Purpose	Departmental/Program Intended Outcomes/Objectives	Assessment Criteria & Procedures	Assessment Results	Use of Results
	(Continued) 3. An understanding of the fundamental areas of forensic science: forensic microscopy, drug analysis, trace evidence, serology/forensic biological analysis, crime scene analysis, and courtroom procedures.		(Continued) 3. The student interns received the following ratings with respect to the fundamental areas of forensic science: • Ninety percent received above average/outstanding in the areas of forensic microscopy and drug analysis. • One hundred percent received above average/outstanding in the areas of crime scene analysis and courtroom procedures. • Twenty percent received above average/outstanding in the area of serology/biological analysis; seventy percent received a Not Applicable rating because the interns had not taken coursework in this area of forensic analysis.	