

Chemistry Department Implementation Plan (2018-19 APR)

Program Learning Outcomes

1. Graduates will demonstrate knowledge competency extending throughout the main subdisciplines of chemistry.
2. Graduates will think critically to analyze chemical problems.
3. Graduates will communicate effectively in a professional setting.
4. Graduates will demonstrate the ability to work competently and effectively in a laboratory environment.

Program Maintenance Outcomes

1. Increase department base budget funding (O&E) to adequately support program.
2. Develop a proactive plan to repair and replace aging instrumentation and equipment.
3. Hire a College of Science technical (electronics) staff member to help manage preventative maintenance of instrumentation and equipment.
4. Continue building a responsible, manageable, and sustainable lab safety program.
5. Grow program majors through community building, and community engagement and outreach.

Assessment Methods / Data Sources

1. Embedded course exam: American Chemical Society nationally standardized exams (*PLO #1*).
2. Embedded course assignment: Analysis and critique of a chemistry communication (*PLO #2*).
3. Oral and poster presentations (*PLO #3*).
4. Embedded Instrumental Lab Course Capstone Assignment (*PLO #4*).