

ASSESSMENT WEBSITE INFORMATION

College: Sciences and Mathematics
Chair/Director: William Burns

Degree Program: Chemistry MS

DATA SAY:

As part of an external program review, graduates of advanced degree programs in chemistry were surveyed. Responses indicated that course rigor was very helpful both in the workplace and in graduate school. However, graduates reported that their exposure to certain types of laboratory equipment was lacking.

SO WHAT:

Phenomena, a graduate's ability to describe observed and modeled phenomena using fundamental physical principles and calculus-based mathematics, is evidenced by graduate success in pharmacy, medical, and graduate schools as well as in the workplace. The student learning outcome of instrumentation, the use of and ability to troubleshoot standard research laboratory instrumentation, however, is not being met when students leave ASU.

HOW WE CHANGED:

To this end, approximately \$25,000 of replacement supplies were purchased in May 2013. Items purchased include: power supplies, Vernier data acquisition systems and associated probes, and thermal expansion systems. Additionally, plans for renovating the existing laboratory space are underway.

WHAT WE GOT:

It is expected that the updated equipment will serve to help students meet the student learning goal of instrumentation.

