

II. Findings

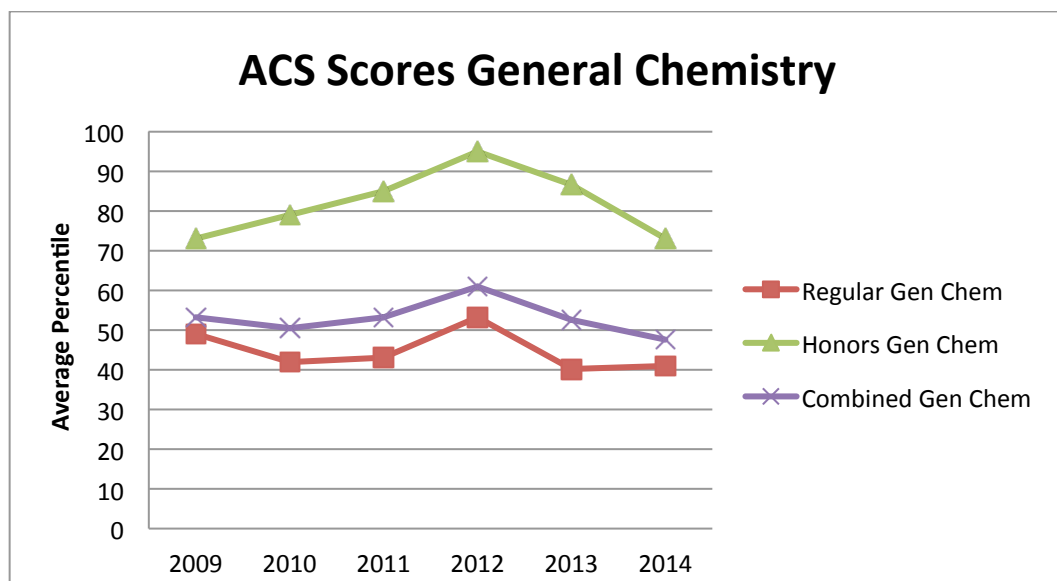
A. Student Learning

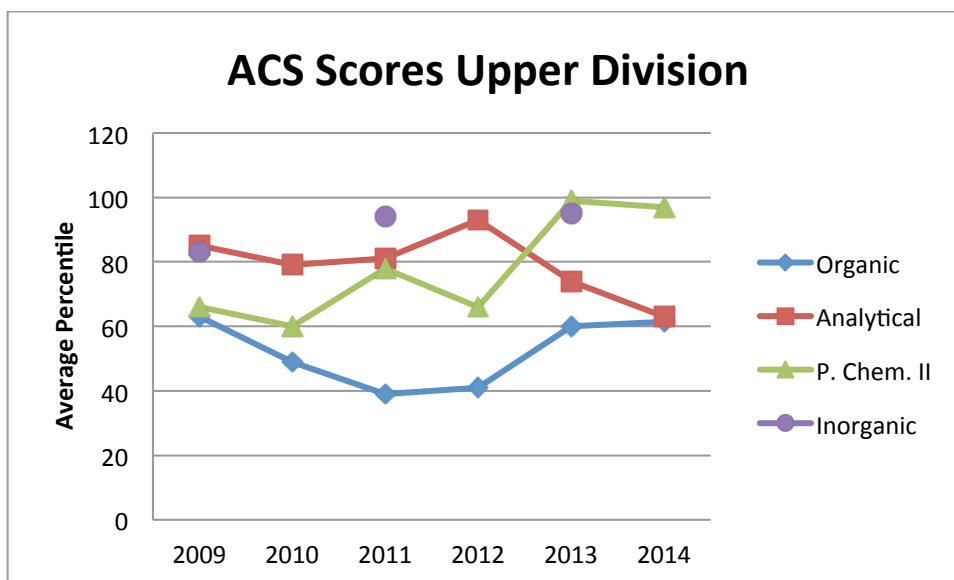
- 1) **Key Question: Do our students demonstrate a breadth and depth of chemical knowledge?** We have addressed this key question with two tools: a) the American Chemical Society (ACS) National Exams, and b) the Medical College Acceptance Test (MCAT) scores.

a) **ACS Results (2008-2014)**

The American Chemical Society (ACS) publishes regular exams for each of the major subjects within the chemical curriculum. We give these exams to our students as the final exam in the respective course. We track both the average percentile and the percent of our students scoring above the 80th percentile on these exams.

Average Percentile. The graphs below show the average percentile achieved by our students in each year for our courses over the past 6 years. The graphs are separated into General Chemistry and Upper Division courses.





Six Year Average of Average Percentile. The table below shows the average percentile achieved by our students averaged over all 6 years displayed in the graphs above.

Gen Chem	Honors Gen Chem	Combined Gen Chem	Organic	Analytical	P. Chem II	Inorganic
44.7	81.9	53	52.5	79	77.6	90.6*

* Offered in alternating year; 3 yr. average

For the 6 years summarized here, and considering the combined General Chemistry results, the department met its goals (60th percentile average score) in every course except Combined General Chemistry and Organic Chemistry.