STUDENT LEARNING OUTCOME
To carry out standard organic laboratory techniques, demonstrate knowledge of chemical reactivities, and interpret spectroscopic data.

SIGNATURE ASSIGNMENT
Capstone laboratory assignment accomplished over several periods

MEASUREMENT
Percentage of student majors correctly identifying one or two unknown chemicals using reactions and techniques learned during the year of organic chemistry

RESULTS
Decrease in students identifying both unknowns

IMPROVEMENT
Departments placed more emphasis on coordinating theory with practice—the following year, saw increase of identifications