

	<b>Student Learning Outcome</b>	<b>Assessment</b>
1	Question and probe scientific issues through critical analysis of the chemical literature	Students will complete literature projects
2	Demonstrate proficiency in scientific writing	Students will write reports and papers and write thesis.
3	Demonstrate proficiency in oral communication of science	Students will give oral presentations in classes and do oral defense of thesis.
4	Develop and pursue hypothesis through appropriate experimental design	Students will develop original thesis proposal and conduct research.
5	Demonstrate expertise in service to the scientific community.	Students will teach, mentor, tutor, or conduct outreach.
6	Demonstrate successful application of the scientific method.	Students will complete a research thesis.