

YSU Program Student Learning Outcome Cover Sheet

Name of Department:	Chemistry	
Person Submitting:	Nina Stourman	
Email Address:	nvstourman@ysu.edu	
Campus Phone:	7112	
Department Chair:	Tim Wagner	
Name of Degree Program that pertains to this list of Student Learning Outcomes. You must submit a separate list of learning outcomes for each degree program (e.g., French, Italian, and Spanish) and degree level (e.g., Criminal Justice AAS and Criminal Justice BSAS), even if outcomes overlap. You may submit them all in one document, if you prefer.	Chemistry MS	
Are these Student Learning Outcomes dictated by an outside accrediting body?	Yes: V	No:
Date Submitted:	January 30, 2016	

Learning outcomes:

1. Graduate students will demonstrate a thorough understanding of the chemical principles related to their chosen area of Chemistry or Biochemistry.
2. Graduate students will demonstrate the ability to search and critically assess the scientific literature.
3. Graduate students will demonstrate a thorough understanding of the applications and basic principles of the chemical instrumentation, techniques, and/or software that is commonly used in their sub-discipline.
4. Graduate students will effectively communicate their research ideas and findings both orally and in writing.