

## YSU Program Student Learning Outcome Cover Sheet

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<b>Name of Department:</b>	<b>Chemistry</b>	
Person Submitting:	Nina Stourman	
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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 BS	
Are these Student Learning Outcomes dictated by an outside accrediting body?	Yes: <b>V</b>	No:
Date Submitted:	January 30, 2016	

### Learning Outcomes:

1. Undergraduate students will demonstrate an understanding of the basic principles of the chemical disciplines included in their curriculum.
2. Undergraduate students will demonstrate independent and critical thinking.
3. Undergraduate students will demonstrate an understanding of the fundamentals of modern chemical instrumentation.
4. Undergraduate students will effectively communicate their ideas both orally and in writing.
5. Undergraduate students will acquire basic research skills including planning and performing an experiment and analyzing the results.