

## Chemistry Curriculum Map

Courses and Activities Mapped to BA/BS in Chemistry Outcome Set

	<b>Outcome #1 Fundamental Concepts</b> Students pursuing a baccalaureate degree in chemistry will exhibit a sound grasp of fundamental concepts in the discipline.	<b>Outcome #2 Problem solving</b> Students pursuing a baccalaureate degree in chemistry will be able to employ problem solving skills together with scientific models and mathematical techniques to explain and predict behavior of chemical systems.	<b>Outcome #3 Laboratory Procedures</b> Students pursuing a baccalaureate degree in chemistry will be able to carry out basic laboratory procedures demonstrating appropriate use of instrumentation, quantitative measurement, and data analysis.	<b>Outcome #4 Communication</b> Students pursuing a baccalaureate degree in chemistry will be able to demonstrate professional communication skills.
	Outcome #1	Outcome #2	Outcome #3	Outcome #4
<b>Courses and Learning Activities</b>				
Chem 105 General Chemistry I	I	I	I	I
Chem 105L General Chem I lab	I	I	I	I
Chem 106 General Chem II	I	I	I	I
Chem 106L General Chemistry II Lab	I	I	I	I
Chem 321 Analytical Chemistry	I	R	I	R
Chem 341 Inorganic Chemistry	I	R		R
Chem 351 Organic Chemistry I	I	R		R
Chem 351L Organic Chemistry I Lab	I	R	I	R
Chem 352 Organic Chemistry II	I	R		R

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	<b>Outcome #1</b>	<b>Outcome #2</b>	<b>Outcome #3</b>	<b>Outcome #4</b>
Chem 352L Organic Chemistry II Lab	I	R	I	R
Chem 355 Organic Lab Techniques	I	R	I	R
Chem 405 Senior Seminar in Chemistry	R	R		R
Chem 421 Instrumental Methods	I	R	I	R
Chem 431 Biochemistry I	I	R		R
Chem 431L Biochemistry Laboratory	I	R	I	R
Chem 432 Biochemistry II	I	R		R
Chem 461 Physical Chemistry I	I	R		R
Chem 461L Experimental Phys Chem I	I	R	I	R
Chem 462 Physical Chemistry II	I	R		R
Chem 462L Experimental Phys Chem II	I	R	I	R
Chem 499 Intro to Research in Chem	R	R	R	R

**Legend:** I Introduced P Practiced R Reinforced

Last Modified: 02/10/2012 03:48:01 PM CST

Printed on: 02/22/2016 09:21:49 PM (EST)

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