

Note that this is a "Typical Program." Actual programs will vary. See the Academic Catalog for official details.

**CHEMISTRY EDUCATION B.S. DEGREE****Advisor: Drs. Nalliah and Troyer**

<b>Fall 2013</b>			<b>Spring 2014</b>		
<u>CH 161:</u>	<u>Principles of Chemistry I</u>	4	<u>BI 161:</u>	<u>Cell Biology</u>	4
<u>MA 171:</u>	<u>Analytic Geometry &amp; Calculus I<sup>1</sup></u>	4	<u>CH 162:</u>	<u>Principles of Chemistry II</u>	4
<u>PY 111:</u>	<u>Introduction to Psychology</u>	3	<u>MA 172:</u>	<u>Analytic Geometry &amp; Calculus II<sup>1</sup></u>	4
<u>HS 115:</u>	<u>Hist Persp on Cult &amp; Civ I</u>	3	<u>HS 116:</u>	<u>Hist Persp on Cult &amp; Civ II</u>	3
<u>EN 121:</u>	<u>Academic Writing and Research</u>	3	<u>PE 110:</u>	<u>Introduction to Physical Wellness</u>	1
<b>total 17</b>			<b>total 16</b>		
<b>Fall 2014</b>			<b>Spring 2015</b>		
<u>CH 263:</u>	<u>Organic Chemistry I</u>	4	<u>CH 264:</u>	<u>Organic Chemistry II</u>	4
* <u>CH 361:</u>	<u>Physical Chemistry I</u>	4	* <u>CH 371:</u>	<u>Physical Chemistry II</u>	4
<u>ED 212:</u>	<u>Introduction to Education</u>	2	<u>ED 236:</u>	<u>Educational Psychology</u>	3
<u>ED 296:</u>	<u>Soph Practicum for MS &amp; HS</u>	1	<u>PH 212:</u>	<u>Principles of Physics II</u>	4
<u>PH 211:</u>	<u>Principles of Physics I</u>	4	<u>SE 234:</u>	<u>Ed of the Exceptional Adolescent</u>	2
<b>total 15</b>			<b>total 17</b>		
<b>Fall 2015</b>			<b>Spring 2016</b>		
* <u>CH 331:</u>	<u>Quantitative Analysis</u>	4	* <u>CH 333:</u>	<u>Instrumental Analysis</u>	4
<u>ED 311:</u>	<u>Early Adol. Curric &amp; Method</u>	3	<u>ED 320:</u>	<u>Adolescent Curric &amp; Method</u>	3
<u>ED 364:</u>	<u>Assessment Strat for Sec Edu</u>	2	<u>MI 285:</u>	<u>Core Curriculum Christian Faith</u>	3
<u>BR 111:</u>	<u>Biblical History and Literature</u>	3	115:	<u>Introduction to AR/MU/TH</u>	2
<u>EN 151:</u>	<u>Perspectives on Literature</u>	3		<u>Core Curriculum Social Science</u>	3
<b>total 15</b>			<b>total 15</b>		
<b>Fall 2016</b>			<b>Spring 2017</b>		
<u>ED410sci:</u>	<u>Science Curriculum and Method</u>	2	<u>ED 440:</u>	<u>Topics &amp; Problems in Education</u>	2
<u>BR____:</u>	<u>Bible Elective [300+ level]</u>	3	<u>ED 460:</u>	<u>Student Teaching in Sec. Schools</u>	10
<u>CO 215:</u>	<u>Public Speaking</u>	3			
<u>PE 111:</u>	<u>Physical Education Activities</u>	1			
<u>PL____:</u>	<u>Introduction to Philosophy/Ethics</u>	3			
	<u>Creative Studio Arts</u>	1			
	<u>Elective<sup>3</sup></u>	2			
<b>total 15</b>			<b>total 12</b>		

**NOTES:**

1. Chemistry majors not yet placing into MA 171/172 should take MA 141 in the Spring of the freshman year (*see mathematics placement policy in Catalog under Academic Information*).
2. ED 395 Multicultural Practicum in Teaching should be scheduled during January Term of the junior year.
3. CH 411 and CH 441 are recommended electives.
4. Students may wish to prepare to teach an additional content area by also completing a biology or mathematics minor and the appropriate state content-area examination.

\*Indicates alternating year course.

Underlining indicates required for major.