

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**

Fall 2016			Spring 2017		
<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 & Calculus I¹</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 & Calculus II¹</u>	4
<u>HS 115:</u>	<u>Hist Persp on Cult & Civ I</u>	3	<u>HS 116:</u>	<u>Hist Persp on Cult & Civ II</u>	3
<u>EN 121:</u>	<u>Academic Writing and Research</u>	3	<u>EX 101:</u>	<u>Wellness for Life</u>	2
total 17			total 17		
Fall 2017			Spring 2018		
<u>CH 263:</u>	<u>Organic Chemistry I</u>	4	<u>CH 264:</u>	<u>Organic Chemistry II</u>	4
* <u>CH 331:</u>	<u>Quantitative Analysis</u>	4	* <u>CH 333:</u>	<u>Instrumental Analysis</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 & 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
total 15			total 17		
Fall 2018			Spring 2019		
* <u>CH 361:</u>	<u>Physical Chemistry I</u>	4	* <u>CH 371:</u>	<u>Physical Chemistry II</u>	4
<u>ED 311:</u>	<u>Early Adol. Curric & Method</u>	3	<u>ED 320:</u>	<u>Adolescent Curric & 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/DM/MU/TH</u>	2
<u>EN 151:</u>	<u>Perspectives on Literature</u>	3		<u>Core Curriculum Social Science</u>	3
total 15			total 15		
Fall 2019			Spring 2020		
<u>ED410sci:</u>	<u>Science Curriculum and Method</u>	2	<u>ED 440:</u>	<u>Topics & 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>PL____:</u>	<u>Introduction to Philosophy/Ethics</u>	3			
	<u>Creative Studio Arts</u>	1			
	<u>Elective³</u>	2			
total 14			total 12		

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.