

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. Bordeaux and Nalliah**

Fall 2009			Spring 2010		
<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
HS 115:	Hist Persp on Cult & Civ I	3	<u>MA 172:</u>	<u>Analytic Geometry & Calculus II¹</u>	4
EN 121:	Academic Writing and Research	3	<u>PY 111:</u>	<u>Introduction to Psychology</u>	3
PE 110:	Introduction to Physical Wellness	1	HS 116:	Hist Persp on Cult & Civ II	3
SS 111:	University Life ²	.5			
115:	Introduction to AR/MU/TH	2			
	total	17.5		total	18
Fall 2010			Spring 2011		
<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 I³</u>	4	* <u>CH 371:</u>	<u>Physical Chemistry II³</u>	4
<u>ED 212:</u>	<u>Introduction to Education</u>	3	<u>ED 236:</u>	<u>Educational Psychology</u>	4
<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>PH 261:</u>	<u>Analog and Digital Electronics⁴</u>	2
<u>SE 234:</u>	<u>Ed of the Exceptional Adolescent</u>	2			
	total	18		total	18
Fall 2011			Spring 2012		
* <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 & Method</u>	3	<u>ED 320:</u>	<u>Adolescent Curric & Method</u>	3
* <u>PH 321:</u>	<u>Modern Physics & Cosmology</u>	3	* <u>PH 323:</u>	<u>Particle & Nuclear Physics</u>	3
BR 111:	Biblical History and Literature	3	MI 285:	Core Curriculum Christian Faith	3
EN 151:	Perspectives on Literature	3	PE 111:	Physical Education Activities	1
	Creative Studio Arts	1		Core Curriculum Social Science	3
	total	17		total	17
Fall 2012			Spring 2013		
<u>ED410sci:</u>	<u>Science Curriculum and Method</u>	2	<u>ED 440:</u>	<u>Topics & Problems in Education</u>	2
* <u>PH 271:</u>	<u>Astronomy</u>	3	<u>ED 460:</u>	<u>Student Teaching in Sec. Schools</u>	10
BR____:	Bible Elective [300+ level]	3			
CAP475:	Capstone Seminar	2			
CO 215:	Public Speaking	3			
PL____:	Introduction to Philosophy/Ethics	3			
	total	16		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. SS 111 is required in the fall semester of the freshman year for first-time freshman only.
3. Students may take CH 361/371 in the sophomore year only with permission. If MA 171/172 were not taken in the freshman year, CH 361/371 must wait until the senior year.
4. Students may take PH 421 in place of PH 261.
5. ED 395 Multicultural Practicum in Teaching should be scheduled during January Term of the junior year.
6. CH 411, CH 441 and CH 445 are also recommended as electives in the major.

*Indicates alternating year course.

Underlining indicates required for major.