

**Bachelor of Science – Chemistry Secondary Education– 2015-2016**

<b>GENERAL EDUCATION</b>	<b>37</b>	COMP	GRD	<b>MAJOR PROGRAM COURSES</b>	<b>28</b>	COMP	GRD
				CHM 110 General Chemistry	4		
<b>Level I</b>				CHM 111 General Chemistry Lab	1		
ENG 101 Composition or ENG 102 Advanced Composition (completed in 1 <sup>st</sup> two semesters)	3						
<i>Completed or initiated in first three semesters</i>				CHM 112 General Chemistry	4		
FYS First Year Seminar (any number) (1 <sup>st</sup> semester)	1			CHM 113 General Chemistry Lab	1		
Communications (COM 101, 200, 202, 212, or 225)	3			CHM 220 Analytical Chemistry	4		
Quantitative Reasoning (MTH 114 or above, PHL 105, BIS 140)	3			CHM 221 Analytical Chem Lab	1		
<b>Level II</b>				CHM 230 Organic Chemistry I	4		
English (any except for 262, 320, 322, and 495)	3			CHM 231 Organic Chem Lab I	1		
Global & Cultural Div (EDU 375)	0			CHM 232 Organic Chemistry II	4		
Fine Arts (any Art, Music or Thr)	3			CHM 233 Organic Chem Lab II	1		
Science (any Biology, Chemistry or Phy Sci) must include Lab	0			CHM 473 Chemistry Research	3		
Math (MTH 242 or 162, or > MTH 114) or Natural Science	0			<b>NATURAL SCIENCE SUPPORTING FIELD</b>	<b>12</b>		
History (any history class)	3			BIO 268 - Environmental Sci	3		
Social Science (ECO 150 or any Sociology or Psychology)	3			BIO 269 - Environmental Sci Lab	1		
Theology (any class)	6			BIO/CHM 340 Biochemistry	3		
PHL 200 Moral Reasoning	3			BIO/CHM 341 Biochemistry Lab	1		
Philosophy (any Philosophy crs))	3			PHY 100/101 Intro to Physical Sciences w/Lab or PHY 160 Physical Geology/Lab or PHY 164 Meteorology/Lab	4		
General Education Elective (any Liberal Arts Course)	3			<b>SECONDARY ED MINOR</b>	<b>44</b>		
<b>ELECTIVES</b>	7			EDU 101 Introduction to Educ	3		
<b>SUMMARY</b>				EDU 201 Tech. & Inst.Mat. In Classroom	3		
CHEMISTRY MAJOR	28			PSY 203 Adolescent Psychology	3		
NATURAL SCIENCES	12			EDU 312 Educ. Psych.& Measurement	3		
GENERAL EDUCATION	37			EDU 315 Assessment for Learners	2		
SECONDARY EDUCATION	44			EDU 351 Teaching Reading: Mid.&Sec	3		
ELECTIVES	7			EDU 360 Teaching MID/SEC Students	3		
<b>Total</b>	128			EDU 375 Human Rel. in Multi-Cult.Soc.	3		
				EDU 427 Hist., Phil. & Trends in Educ.	3		
				EDU 472 Clinical Practice: Sec	10		
				EDU 495 Clinical Practice Sem	2		
				SPE 101 Introduction to Spec Ed	3		
				SPE 240 Guidance and Classroom Mgmt	3		

Some courses may be counted in more than one category. Courses cannot be cross counted within general education. The student must still complete the specific total hours for graduation by taking additional electives.

**Developmental courses cannot be counted toward graduation requirements.** Student may be required to complete prerequisite courses.