

# School of Health Sciences and Education

## Chemistry, Secondary Education, B.S.

**Table 1 – First Year Fall**

ID	Name	Credits
<b>CHEM 192</b>	Freshman Seminar – Chemistry	0
<b>CHEM 121</b>	General Chemistry I/Lab	4
<b>MATH 121</b>	Calculus I	4
<b>WRIT 102</b>	Research Writing	3
<b>CORE 103</b>	Community Enrichment (Fall)	0
<b>EDUC 150</b>	Education Psychology	3
<b>Total:</b>		<b>14</b>

**Table 2 – First Year Spring**

ID	Name	Credits
<b>MATH 122</b>	Calculus II	3
<b>CHEM 122</b>	General Chemistry II/Lab	4
<b>PHYS 121</b>	General Physics I/Lab	4
<b>CORE 104</b>	Community Enrichment (Spring)	0
<b>CORE I</b>	First-Year Seminar	3
<b>EDUC 205</b>	Introduction to Special Education	3
<b>Total:</b>		<b>17</b>

**Table 3 – Second Year Fall**

ID	Name	Credits
<b>MATH XXX</b>	Mathematics Elective 221 – Calculus III (2) or 306 – Differential Equations (3)	2-3
<b>CHEM 221</b>	Organic Chemistry I/Lab	4
<b>PHYS 122</b>	General Physics II/Lab	4
<b>EDUC 261</b>	English Language Proficiency & Instruction	3
<b>PSYC 101</b>	Introduction to Psychology	3
<b>Total:</b>		<b>16-17</b>

**Table 4 – Second Year Spring**

ID	Name	Credits
<b>CHEM 222</b>	Organic Chemistry II/Lab	4
<b>CHEM 251</b>	Quantitative Analysis/Lab	3
<b>CHEM 292</b>	Sophomore Seminar – Chemistry	0
<b>PHIL 105</b>	Introduction to Philosophy Or PHIL 110 – Intro to Ethics	3
<b>LIT 104</b>	Introduction to Literature Or 201, 202, 204, 207, 222, 274, 270	3
<b>EDUC 240</b>	Diverse Learner in Secondary Settings	3
<b>Total:</b>		<b>16</b>

**Table 5 – Third Year Fall**

ID	Name	Credits
<b>CHEM 321</b>	Physical Chemistry I	4
<b>CHEM 324</b>	Inorganic Chemistry/Lab	4
<b>PHIL 219</b>	Education Ethics	3
<b>EDUC 333</b>	Reading in the Content Area	3
<b>EDUC 430</b>	Middle/Secondary Methods II	3
<b>Total:</b>		<b>17</b>

**Table 6 – Third Year Spring**

ID	Name	Credits
<b>CHEM 322</b>	Physical Chemistry II/Lab	4
<b>CHEM 392</b>	Junior Seminar – Chemistry	0
<b>HIST XXX</b>	History Elective	3
<b>THEO 105</b>	Franciscan Goals for Today	3
<b>CORE II</b>	*Choose one course	3
<b>EDUC 429</b>	Middle/Secondary Methods I	3
<b>Total:</b>		<b>16</b>

**Table 7 – Fourth Year Fall**

ID	Name	Credits
<b>EDUC 407</b>	Teacher as Reflective Practitioner	3
<b>EDUC 450</b>	Student Teaching	12
<b>Total:</b>		<b>15</b>

**Table 8 – Fourth Year Spring**

ID	Name	Credits
<b>CHEM 323</b>	Instrumental Analysis/Lab	3
<b>CHEM 492</b>	Senior Seminar – Chemistry	1
<b>FNARTXXX</b>	Fine Arts Elective	3
<b>ELEC</b>	Free Elective	3
<b>ELEC</b>	Free Elective	3
<b>ELEC</b>	Free Elective	3
<b>Total:</b>		<b>16</b>

**Notes:** \*ECON 101 – Principles of Economics I, PLSC 102 – American National Government, PLSC 103 – World Politics, or any SOC 100/200 level