

# Sample Schedule

## BS: Concentration in Chemistry Education

### FRESHMAN YEAR (32 CR)

#### **Semester 1**

CHEM 211, 213 General Chemistry I	4
MATH 113 Anal. Geom. & Calc. I	4
BIOL 213 Cell Structure and Function	4
ENGH 101	3
	<b>15</b>

#### **Semester 2**

CHEM 212, 214 General Chemistry II	4
MATH 114 Anal. Geom & Calc II	4
COMM requirement	3
Literature requirement	3
Elective	3
	<b>17</b>

### SOPHOMORE YEAR (29 CR)

#### **Semester 3**

CHEM 313 Organic Chemistry I	3
CHEM 315 Organic Chemistry Lab I	2
PHYS 243 or 160 Physics I	3
PHYS 244 or 161 Physics Lab I	1
STAT 250 Introductory Statistics	3
IT requirement	3
	<b>15</b>

#### **Semester 4**

CHEM 314 Organic Chemistry II	3
CHEM 321 Quant. Chem. Anal.	4
PHYS 245 or 260 Physics II	3
PHYS 246 or 261 Physics Lab II	1
HIST requirement	3
	<b>14</b>

### JUNIOR YEAR (31 CR)

#### **Semester 5\***

CHEM 331 Physical Chemistry I	3
CHEM 336 Physical Chemistry Lab 1	2
CHEM 463 General Biochemistry I	4
Global Understanding requirement	3
ENGH 302	3
	<b>15</b>

#### **Semester 6**

CHEM Elective (In-Depth)	3
CHEM 470 Chem. Teaching Methods	3
GEOL 101 Introductory Geology	4
EDUC 422 Foundations Secondary Ed	3
EDCI 473 Teach. Sci. Sec. Schools	3
	<b>16</b>

### SENIOR YEAR (28 CR)

#### **Semester 7**

CHEM 446 Bioinorganic Chemistry	3
EDUC 372 Human Devel. & Learning	3
EDCI 483 Adv Meth Teach Sci Sec Sch	3
Electives	5
Fine Arts requirement	3
	<b>17</b>

#### **Semester 8\*\***

EDRD 419 Lit. Content Area	3
EDCI 490 Student Teaching in Ed.	6
EDCI 491	2
	<b>11</b>

\* Take Praxis I & II; apply to Division of Undergraduate Studies in Education from the College of Education and Development.

\*\* No other classes should be taken during this semester, because students will be in the schools teaching all day every day.