



## BS in Chemistry

### Sample 4-Year Course Sequence

*Student's individualized schedule may vary. Each student should consult with an advisor to determine their plan of study. A total of 128 credit hours is required to graduate, with an average of 16 credit hours per semester.*

Course	Year 1		Year 2		Year 3		Year 4		TOT
	FA	SP	FA	SP	FA	SP	FA	SP	
<b>Major Coursework</b>									
Essentials of Biology I – lecture/lab	5								5
General Chemistry I – lecture/lab	4								4
Calculus I	5								5
Calculus II		5							5
General Chemistry II – lecture/lab		4							4
Organic Chemistry I – lecture/lab			4						4
University Physics I – lecture/lab			4						4
Statistics				3					3
Organic Chemistry II – lecture/lab				4					4
University Physics II – lecture/lab				4					4
Physical Chemistry I or Analytical Chem*					4				4
Biochemistry I – lecture/lab					4				4
Physical Chem II or Instrumental Analysis**						4			4
Inorganic Chemistry						3			3
Upper Level Elective						3			3
Research Methods							3		3
Upper Level Elective							3		3
Physical Chemistry I or Analytical Chem*							4		4
Senior Thesis Capstone								4	4
Physical Chem II or Instrumental Analysis**								4	4
<b>Total Credits for Major</b>									<b>78</b>
<b>University Coursework</b>									
Freshman Seminar	3								3
GCP Courses		6	6	3	3	3		3	24
Keystone Seminar								3	3
General Electives			3	3	4	3	4	3	20
<b>Total Credits Per Semester</b>	<b>17</b>	<b>15</b>	<b>17</b>	<b>17</b>	<b>15</b>	<b>16</b>	<b>14</b>	<b>17</b>	<b>128</b>

\* Physical Chemistry I and Analytical Chemistry are offered in alternating Fall semesters.

\*\* Physical Chemistry II and Instrumental Analysis are offered in alternating Spring semesters.



## BS in Chemistry/Study Abroad Sample 4-Year Course Sequence

*Student's individualized schedule may vary. Each student should consult with an advisor to determine their plan of study. A total of 128 credit hours is required to graduate, with an average of 16 credit hours per semester.*

Course	Year 1		Year 2		Year 3		Year 4		TOT
	FA	SP	FA	SP	FA	SP	FA	SP	
<b>Major Coursework</b>									
Essentials of Biology I – lecture/lab	5								5
General Chemistry I – lecture/lab	4					S			4
Calculus I	5					T			5
Calculus II		5				U			5
General Chemistry II – lecture/lab		4				D			4
Organic Chemistry I – lecture/lab			4						4
University Physics I – lecture/lab			4			A			4
Statistics				3		B			3
Organic Chemistry II – lecture/lab				4		R			4
University Physics II – lecture/lab				4		O			4
Physical Chemistry I or Analytical Chem*					4	A			4
Biochemistry I – lecture/lab					4	D			4
Physical Chem II or Instrumental Analysis**								4	4
Inorganic Chemistry				3					3
Upper Level Elective					3				3
Research Methods							3		3
Elective: Major or Emphasis							3		3
Physical Chemistry I or Analytical Chem*							4		4
Senior Thesis Capstone								4	4
Physical Chem II or Instrumental Analysis**								4	4
<b>Total Credits for Major</b>									<b>78</b>
<b>University Coursework</b>									
Freshman Seminar	3								3
GCP Courses		6	6	3		6	3		24
Keystone Seminar								3	3
General Electives			3		4	9	4		20
<b>Total Credits Per Semester</b>	<b>17</b>	<b>15</b>	<b>17</b>	<b>17</b>	<b>15</b>	<b>15</b>	<b>17</b>	<b>15</b>	<b>128</b>

\* Physical Chemistry I and Analytical Chemistry are offered in alternating Fall semesters.

\*\* Physical Chemistry II and Instrumental Analysis are offered in alternating Spring semesters.