

Union University
Suggested Sequence of Courses Chemistry Major/Biology Minor (Pre-Med)

Freshman Year							
<u>Fall - First Semester</u>			<u>Spring - Second Semester</u>				
ENG	111	Written Composition I	3	ENG	112	Written Composition II	3
MAT	211	Calculus & Analytic Geometry I	4	MAT	212	Calculus & Analytic Geometry II	4
CHE	111	General Chemistry	4	CHE	211	Analytical Chemistry	3
BIO	112	Principles of Biology	4	CHE	221	Analytical Chemistry Lab	2
CLU	195	Lrng, Worl, and God's Des	<u>2</u>	BIO	214	Vertebrate Zoology**	<u>4</u>
			<u>17</u>				<u>16</u>
Winter Microterm							
CHE	112	Chemical Equilibrium	4				
Sophomore Year							
<u>Fall - First Semester</u>			<u>Spring - Second Semester</u>				
ENG	201	World Literature I	3	ENG	202	World Literature II	3
CHE	314	Organic Chemistry I	3	CHE	315	Organic Chemistry II	3
CHE	324	Organic Chemistry I Lab	2	CHE	326	Org/Inorg. Synthesis Lab	2
PHY	231	Gen. Physics w/Calc I	5	PHY	232	Gen. Physics w/Calc II	5
COM	112	Public Communication*	<u>3</u>	CHE	335	Inorganic Chemistry	<u>3</u>
			<u>16</u>				<u>16</u>
Junior Year							
<u>Fall - First Semester</u>			<u>Spring - Second Semester</u>				
CHE	137	Physical Chemistry I	3	CHE	318	Physical Chemistry II	3
PEWS	100	Fitness for Health	1	CHE	327	Physical Chemistry Lab	2
HIS	101	World Civ to 19th Cent	3	CHR	112	New Testament Survey	3
CHE	319	Biochemistry	4	MAT	213	Math Elective ***	3
BIO	211	Microbiology	<u>4</u>	BIO	315	Genetics	4
			<u>15</u>	PEWS	1	Activity Elective	<u>1</u>
							<u>16</u>
Senior Year							
<u>Fall - First Semester</u>			<u>Spring - Second Semester</u>				
BIO	3--	Advanced Bio Elective	4	CHE	498	Chemistry Seminar	1
CHE	424	Chemistry Research	3	BIO	3--	Biology Elective	4
CHR	111	Old Testament Survey	3	PSY	213	Intro to Psychology*	3
ART	210	Art in Western Civ	3	XXX		Elective	3
CHE	4--	Advanced CHE Elective	<u>4</u>	HIS	102	World Civ Fr 19th	<u>3</u>
			<u>17</u>				<u>14</u>
<p>*Course requirements for general core may be met with other courtses. See Catalog for options.</p> <p>** Medical School prerequisite--biology minor elective</p> <p>*** The requirement may be met with a computer science course.</p>							