



Department of Chemistry and Physics  
**Engineering, Chemistry, BS (CHEN)**  
 Suggested Course Sequence - Odd Year Start

FALL SEMESTER - Odd				SPRING SEMESTER - Even					
				First Year					
_____	BIBL	1033	Biblical Literature	3	_____	MATH	2013	Calculus II	3
_____	CHEM	1113	General Chemistry I	3	_____	THEO	2043	Biblical Theology	3
_____	CHEM	1111	General Chemistry I Lab	1	_____	ENGL	1023	English Comp II	3
_____	ENGL	1013	English Composition I	3	_____	<b>CHEM</b>	<b>1121</b>	<b>General Chemistry II Lab (s)</b>	1
_____	LETU	1101	Cornerstones	1	_____	<b>CHEM</b>	<b>1123</b>	<b>General Chemistry II (s)</b>	3
_____	MATH	1903	Calculus I	3	_____	<b>PHYS</b>	<b>2013</b>	<b>University Physics I (s)</b>	3
					_____	<b>PHYS</b>	<b>2011</b>	<b>University Physics Lab I (s)</b>	1
<b>Total Semester Hours</b>				<b>14</b>	<b>Total Semester Hours</b>				<b>17</b>

FALL SEMESTER - Even				SPRING SEMESTER - Odd					
				Second Year					
_____	MATH	2013	Calculus III	3	_____	<b>ENGR</b>	<b>2313</b>	<b>Materials Engineering</b>	3
_____	<b>MEGR</b>	<b>2013</b>	<b>Statics</b>	3	_____	<b>MEGR</b>	<b>2023</b>	<b>Dynamics</b>	3
_____	<b>CHEM</b>	<b>2111</b>	<b>Organic Chemistry I Lab (F)</b>	1	_____	<b>CHEM</b>	<b>2121</b>	<b>Organic Chemistry II Lab (s)</b>	1
_____	<b>CHEM</b>	<b>2113</b>	<b>Organic Chemistry I (F)</b>	3	_____	<b>CHEM</b>	<b>2123</b>	<b>Organic Chemistry II (s)</b>	3
_____	<b>PHYS</b>	<b>2023</b>	<b>University Physics II (F)</b>	3	_____	MATH	2203	Differential Equations	3
_____	<b>PHYS</b>	<b>2021</b>	<b>University Physics Lab II (F)</b>	1	_____	CHEM	3951	Intro to Research	1
<b>Total Semester Hours</b>				<b>14</b>	<b>Total Semester Hours</b>				<b>14</b>

FALL SEMESTER - Odd				SPRING SEMESTER - Even					
				Third Year					
_____	<b>MEGR</b>	<b>3513</b>	<b>Fluid Mechanics</b>	3	_____	BIBL		Bib/Theo Engage Elective	3
_____	<b>CHEM</b>	<b>3111</b>	<b>Chemical Analysis Lab (F/Odd)</b>	1	_____	COMM	1113	Intro To Speech Communicator	3
_____	<b>CHEM</b>	<b>3113</b>	<b>Chemical Analysis (F/Odd)</b>	3	_____			Civic Engagement Elective	3
_____	COSC	1303	Computer Science I	3	_____	<b>MEGR</b>	<b>3713</b>	<b>Thermodynamics</b>	3
_____	MATH	3403	Statistics	3	_____	<b>MATH</b>	<b>4403</b>	<b>Numerical Analysis (S/Even)</b>	3
			Civic Engagement Elective	3					
<b>Total Semester Hours</b>				<b>16</b>	<b>Total Semester Hours</b>				<b>15</b>

SUMMER				
_____	ISU	CH E	Research at ISU	6

FALL SEMESTER - Even				SPRING SEMESTER - Odd					
				Fourth Year					
_____			Ingenuity Elective	3	_____	<b>CHEM</b>	<b>4123</b>	<b>Physical Chemistry II (S/Odd)</b>	3
_____	<b>CHEM</b>	<b>3014</b>	<b>Inorganic Chemistry (F/Even)</b>	4	_____	<b>MEGR</b>	<b>4723</b>	<b>Heat Transfer</b>	3
_____	<b>CHEM</b>	<b>4113</b>	<b>Physical Chemistry I (F/Even)</b>	3	_____	<b>CHEM</b>	<b>4811</b>	<b>Senior Science and Christian Fa</b>	1
_____	<b>CHEM</b>	<b>4111</b>	<b>Physical Chemistry I Lab (F/Even)</b>	1	_____			General Elective	3
_____	BIBL		Bib Engage Elective	3	_____			General Elective	3
<b>Total Semester Hours</b>				<b>14</b>	<b>Total Semester Hours</b>				<b>13</b>
								<b>Total hours</b>	<b>123</b>