



Department of Chemistry and Physics  
**Physical, Chemistry, BS (CHPH)**  
 Suggested Course Sequence - Even Year Start

FALL SEMESTER - Even				SPRING SEMESTER - Odd					
				<b>First Year</b>					
_____	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 - Odd				SPRING SEMESTER - Even					
				<b>Second Year</b>					
_____	COSC	1303	Computer Science I	3	_____			General Elective	4
_____	<b>CHEM</b>	<b>2111</b>	<b>Organic Chemistry I Lab (F)</b>	1	_____	<b>PHYS</b>	<b>3214</b>	<b>Relativity and Quantum Th (s/o)</b>	4
_____	<b>CHEM</b>	<b>2113</b>	<b>Organic Chemistry I (F)</b>	3	_____	<b>CHEM</b>	<b>2121</b>	<b>Organic Chemistry II Lab (s)</b>	1
_____	<b>PHYS</b>	<b>2023</b>	<b>University Physics II (F)</b>	3	_____	<b>CHEM</b>	<b>2123</b>	<b>Organic Chemistry II (s)</b>	3
_____	<b>PHYS</b>	<b>2021</b>	<b>University Physics Lab II (F)</b>	1	_____	MATH	2203	Differential Equations	3
_____	MATH	2013	Calculus III	3	_____	CHEM	3951	Intro to Research	1
<b>Total Semester Hours</b>				<b>14</b>	<b>Total Semester Hours</b>				<b>16</b>

FALL SEMESTER - Even				SPRING SEMESTER - Odd					
				<b>Third Year</b>					
_____	CHEM	4951	Undergraduate Research	1	_____	BIBL		Bibl Engage Elective	3
_____	<b>CHEM</b>	<b>3014</b>	<b>Inorganic Chemistry (F/Even)</b>	4	_____			Ingenuity Elective	3
_____	BIBL		Bibl/Theo Engage Elective	3	_____			General Elective	4
_____	MATH	2303	Linear Algebra	3	_____	COMM	1113	Intro To Speech Communicator	3
_____	<b>CHEM</b>	<b>4113</b>	<b>Physical Chemistry I (F/Even)</b>	3	_____	<b>CHEM</b>	<b>4123</b>	<b>Physical Chemistry II (S/Odd)</b>	3
_____	<b>CHEM</b>	<b>4111</b>	<b>Physical Chemistry I Lab (F/Even)</b>	1					
<b>Total Semester Hours</b>				<b>15</b>	<b>Total Semester Hours</b>				<b>16</b>

FALL SEMESTER - Odd				SPRING SEMESTER - Even					
				<b>Fourth Year</b>					
_____			Civic Engagement Elective	3	_____	CHEM	4951	Undergraduate Research	1
_____	<b>CHEM</b>	<b>3111</b>	<b>Chemical Analysis (F/ Odd)</b>	1	_____	<b>CHEM</b>	<b>4263</b>	<b>Computational Chemistry (S/Eve)</b>	3
_____	<b>CHEM</b>	<b>3113</b>	<b>Chemical Analysis Lab (F/ Odd)</b>	3	_____	<b>PHYS</b>	<b>4253</b>	<b>Adv Quantum Mech (S/Even)</b>	3
_____			General Elective	3	_____	<b>PHYS</b>	<b>4414</b>	<b>Optics (S/Even)</b>	4
_____			General Elective	3	_____	<b>CHEM</b>	<b>4811</b>	<b>Senior Science and Christian Fa</b>	1
_____			Civic Engagement Elective	3					
<b>Total Semester Hours</b>				<b>16</b>	<b>Total Semester Hours</b>				<b>12</b>
								<b>Total hours</b>	<b>120</b>