

B.S. IN PHYSICS CHEMISTRY OPTION

Fall 1			Spring 1		
ENG 11011	College Writing I	3	PHY 23101	Gen. Univ. Phys. I	5
MATH 12002	Calculus I*	5	MATH 12003	Calculus II	5
CHEM 10060	Gen. Chemistry I	4	CHEM 10061	Gen. Chemistry II	4
CHEM 10062	Chemistry Lab I	1	CHEM 10063	Chemistry Lab II	1
US 10001	Orientation	1			<u>15</u>
		<u>14</u>			
Fall 2			Spring 2		
MATH 22005	Calculus III	3	MATH 21001	Linear Algebra	3
PHY 23102	Gen. Univ. Phys. II	5	ENG 21011	College Writing II	3
CHEM 2/30481	Organic Chem.**	3-4		Gen. Elective	3
CHEM 30475	Org. Chem. Lab I	1		Hum/Fine Arts 2	3
	Hum/Fine Arts 1	3		Chemistry Elective***	1-3
		<u>15-16</u>			<u>13-15</u>
Fall 3			Spring 3		
MATH 32044	Ordinary D.E.	3	CHEM 30360	Aqueous Inorg. Chem.	2
PHY 35101	Mechanics I	3	PHY 30020	Inter. Physics Lab	2
PHY 36001	Modern Physics	3	PHY 46101	Quantum & Atomic	4
PHY 32511	Electronics	4		Physics Elective	3
	Hum/Fine Arts 3	3		Social Science 1	3
		<u>16</u>			<u>14</u>
Fall 4			Spring 4		
PHY 45201	Elect. & Mag. I	3	PHY 40020	Adv. Physics Lab	2
PHY 45301	Thermodynamics	3		Physics Elective	3-4
CHEM 30101	Quant. Analysis	2		Chem. Elective***	4
CHEM 30102	Quant. Analysis Lab	1		Additional LER	3
	Foreign Lang. I	4		Foreign Lang. II	4
	Social Science 2	3			<u>16-17</u>
		<u>16</u>			

*MATH 11010 (Algebra for Calculus) and MATH 11022 (Trigonometry) are prerequisite courses, which the student with sufficient background should bypass.

**Students may choose either CHEM 20481 or CHEM 30481.

***Chemistry elective(s) normally must be chosen from either CHEM 20482 (Basic Organic Chemistry), CHEM 30103 (Instrumental Analysis), CHEM 30284 (Introductory Biological Chemistry), CHEM 30476 (Organic Chemistry Laboratory II), CHEM 30482 (Organic Chemistry II), CHEM 40555 (Elementary Physical Chemistry), CHEM 40556 (Elementary

Physical Chemistry), or CHEM 40567 (Basic Concepts of Physical Chemistry). Students may complete either Organic Chemistry sequence, CHEM 20481 + 20482 or CHEM 30481 + 30482. Note that CHEM 40555 covers primarily thermodynamics; many physics majors may benefit more from choosing CHEM 40556 rather than CHEM 40555 (prerequisite CHEM 40555 or PHY 45301). Students who choose CHEM 40567 should not also take CHEM 40555 or 40556.

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