

# B.S. IN PHYSICS APPLIED MATHEMATICS AND COMPUTER SCIENCE 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
CS 10051	Intro. Comp. Sci.	4	CS 23021	Prog. and Prob. Solving	4
US 10001	Orientation	1			<u>14</u>
	Hum/Fine Arts 1	3			
		<u>16</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
CS 23022	Discrete Structures	3		Hum/Fine Arts 2	3
	Foreign Lang. I	4		Foreign Lang. II	4
		<u>15</u>		Social Science 1	3
					<u>16</u>
Fall 3			Spring 3		
MATH 32044	Ordinary D.E.**	3		Physics Elective	3
PHY 35101	Mechanics I	3	PHY 30020	Inter. Physics Lab	2
PHY 36001	Modern Physics	3	PHY 46101	Quantum & Atomic	4
CS 33001	Data Struct. and Abst.	3		CS Elective-UD	3
	CS Elective-UD	3		Social Science 2	3
		<u>15</u>			<u>15</u>
Fall 4			Spring 4		
PHY 45201	Elect. & Mag. I	3		Gen. Elective	3
PHY 45301	Thermodynamics	3	PHY 40020	Adv. Physics Lab	2
CS 42201	Num. Computing I	3		Hum/Fine Arts 3	3
CHEM 10060	Gen. Chemistry I	4	CHEM 10061	Gen. Chemistry II	4
CHEM 10062	Chemistry Lab I	1	CHEM 10063	Chemistry Lab II	1
		<u>14</u>		Additional LER	3
					<u>16</u>

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

\*\*MATH 42045 (Intro. Partial Differential Equations) is a recommended additional course.