

B.S. IN PHYSICS APPLIED MATHEMATICS AND COMPUTER SCIENCE OPTION

Fall 1			Spring 1		
ENG 10001	College English 1	3	ENG 10002	College English II	3
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		Hum/Fine Arts 1	3
		<u>14</u>			<u>16</u>

Fall 2			Spring 2		
MATH 22005	Calculus III	3	MATH 21001	Linear Algebra	3
PHY 23101	Gen. Univ. Phys. I	5	PHY 23102	Gen. Univ. Phys. II	5
CS 10051	Intro. Comp. Sci.	4	CS 23021	Obj-Orient. Prog.	3
	Foreign Lang. I	4		Foreign Lang. II	4
		<u>16</u>			<u>15</u>

Fall 3			Spring 3		
MATH 32044	Ordinary D.E.**	3		Physics Elective	4
PHY 35101	Mechanics I	3	PHY 30020	Inter. Physics Lab	2
PHY 36001	Modern Physics	3	PHY 46101	Quantum & Atomic	4
CS 33001	Data Structures	3		CS Elective-UD	3
	CS Elective-UD	3		Hum/Fine Arts 2	3
		<u>15</u>			<u>16</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	CS 42202	Num. Computing II***	3
	Hum/Fine Arts 3	3		Social Science 2	3
	Social Science 1	3		Social Science 3	3
		<u>15</u>			<u>14</u>

*MATH 12001 (Algebra & Trigonometry) is a prerequisite course, which the student with sufficient background should bypass.

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

***MATH 31011 (Discrete Mathematics) may substitute for CS 42202.