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
PHY 12000	Intro. Seminar	1			14
US 10097	1st Yr. Exp. Flash Point	1			
	Hum/Fine Arts 1	3			
		17			

Fall 2			Spring 2		
MATH 32051	Math. Phys. Sci. I	4	MATH 32052	Math. Phys. Sci. II	4
PHY 23102	Gen. Univ. Phys. II	5	ENG 21011	College Writing II	3
CS 23022	Discrete Structures	3	PHY 36001	Intro. Modern Physics	3
	Foreign Lang. I	4		Foreign Lang. II	4
		16			14

Fall 3			Spring 3		
PHY 30020	Inter. Physics Lab	2	CS 33001	Data Struct. and Abst.	3
PHY 35101	Class. Mechanics	4		CS Elective-UD	3
PHY 36002	App. Modern Physics	3		General Elective	3
PHY 45201	Electromagnetic Theory	4		Hum/Fine Arts 2	3
	Social Science 1	3		Social Science 2	3
		16			15

Fall 4			Spring 4		
PHY 40020	Adv. Physics Lab	2		Physics Elective-UD	3
PHY 40092	Physics Internship	2		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
CS 42201	Num. Computing I**	3		CS Elective-UD	3
	Additional LER	3			14
		15			

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

**CS 42201 (Numerical Computing I) requires MATH 21001 (Linear Algebra with Applications) as a prerequisite.

AY08-09