

COMBINED B.S./M.A. IN PHYSICS

Fall 1			Spring 1		
ENG 11011	College Writing I	3	CS 10061	Intro. Comp. Prog.	3
MATH 12002	Calculus I*	5	MATH 12003	Calculus II	5
PHY 12000	Intro. Seminar	1		Hum/Fine Arts 1	3
PHY 23101	Gen. Univ. Phys. I	5	PHY 23102	Gen. Univ. Phys. II	5
US 10001	Orientation	1			<u>16</u>
		<u>15</u>			

Fall 2			Spring 2		
MATH 32051	Math. Phys. Sci. I	4	MATH 32052	Math. Phys. Sci. II	4
ENG 21011	College Writing II	3	PHY 36001	Intro. Modern Physics	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
	Foreign Lang. I	4		Foreign Lang. II	4
		<u>16</u>			<u>16</u>

Fall 3			Spring 3		
PHY 36002	App. Modern Physics	3	PHY 46101	Quantum & Atomic	4
PHY 35101	Class. Mechanics	4	PHY 55201	Electromagnetic Theory	4
	Physics Elective	3	PHY 30020	Inter. Physics Lab	2
	General Elective	3	PHY 55403	Data Anal. & Comp. Phys.	3
		<u>13</u>			<u>13</u>

Fall 4			Spring 4		
PHY 55301	Thermal Physics	3	PHY 40020	Adv. Physics Lab	2
PHY 40092	Physics Internship	2	PHY 55501	Fund. of Modern Optics**	3
	Hum/Fine Arts 2	3		Physics Elective-UD	3
	Social Science 1	3		Social Science 2	3
	Physics Elective	2		Additional LER	3
		<u>13</u>			<u>14</u>

Fall 5			Spring 5		
PHY 65101	Class. Mechanics	3	PHY 66201	Particle Physics	3
PHY 65301	Stat. Mechanics I	4	PHY 65203	Class. Electrodynamics I	3
PHY 66161	Quant. Mechanics I	3	PHY 66162	Quant. Mechanics II	3
	Hum/Fine Arts 3	3		General Elective	3
		<u>13</u>			<u>12</u>

*MATH 11010 (Algebra for Calculus) and MATH 11022 (Trigonometry) are prerequisite

courses, which the student with sufficient background should bypass.

**Suggested graduate-level electives.

AY07-08