

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

Fall 1			Spring 1		
ENG 11011	College Writing I	3		Social Science 1	3
MATH 12002	Calculus I*	5	MATH 12003	Calculus II	5
PHY 12000	Intro. Seminar	1		Humanities or Fine Arts	3
PHY 23101	Gen. Univ. Phys. I	5	PHY 23102	Gen. Univ. Phys. II	5
US 10097	Dest. Kent State: FYE	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 35101	Class. Mechanics	4	PHY 30020	Inter. Physics Lab	2
PHY 36002	App. Modern Physics	3	PHY 55301	Thermal Physics	3
PHY 55201	Electromagnetic Theory	4	PHY 55403	Data Anal. & Comp. Phys.	3
CS 10061	Intro. Comp. Prog.	3	PHY 46101	Quantum & Atomic	4
		<u>14</u>			<u>12</u>

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

\*\*Elementary I and II Arabic, Chinese, and Japanese each require 5 credit hours. Choosing these courses to fulfill your language requirements will reduce your General Electives by 2 hrs.

\*\*\*Suggested graduate-level electives.

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