

B.S. IN PHYSICS
RESEARCH CONCENTRATION
FOR STUDENTS IN THE HONORS COLLEGE

Fall 1			Spring 1		
HONR 10197	Honors Colloquium I	4	HONR 10297	Honors Colloquium II	4
MATH 12002	Calculus I*	5	MATH 12003	Calculus II	5
PHY 23101	Gen. Univ. Phys. I	5	PHY 23102	Gen. Univ. Phys. II	5
PHY 12000	Intro. Seminar	1		KC Honors Hum. or Fine Arts	3
US 10097	Dest. Kent State: FYE	1			<u>17</u>
		<u>16</u>			

Fall 2			Spring 2		
MATH 32051	Math. Phys. Sci. I	4	MATH 32052	Math. Phys. Sci. II	4
CHEM 10960	Honors Chemistry I	5	CHEM 10961	Honors Chemistry II	5
	Foreign Lang. I**	4		Foreign Lang. II**	4
	KC Social Science 1	3	PHY 36001	Intro. Modern Physics	3
		<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 45301	Thermal Physics	3
PHY 45201	Electromagnetic Theory	4	PHY 45403	Data Analysis & Comp. Phys.	3
CS 13001	CSI: Prog. & Prob. Solv.	4	PHY 46101	Quantum Mechanics	4
		<u>15</u>		KC Honors Humanities	3
					<u>15</u>

Fall 4			Spring 4		
PHY 40099	Sr. Honors Thesis	5	PHY 40099	Sr. Honors Thesis	5
	KC Honors Social Science 2	3	PHY 40020	Adv. Physics Lab	2
	General Elective	4		KC Fine Arts	3
	Physics Elective	1		KC Additional	3
		<u>13</u>			<u>13</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 will reduce your General Electives by 2 hrs.