

# B.S. IN PHYSICS RESEARCH CONCENTRATION

Fall 1			Spring 1		
ENG 11011	College Writing I	3		KC Social Science 1	3
MATH 12002	Calculus I*	5	MATH 12003	Calculus II	5
PHY 12000	Intro. Seminar	1		KC 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 45301	Thermal Physics	3
PHY 45201	Electromagnetic Theory	4	PHY 45403	Data Anal. & Comp. Phys.	3
CS 13001	CSI: Prog. & Prob. Solv.	4	PHY 46101	Quantum Mechanics	4
	or			General Elective	3
CS 13011	CSIA-Procedural Prog. and	2			<u>15</u>
CS 13012	CSIB-Object Oriented Prog.	2			
		<u>15</u>			
Fall 4			Spring 4		
PHY 40092	Physics Internship	2	PHY 40020	Adv. Physics Lab	2
	General Elective	2		KC Fine Arts	3
	KC Humanities	3		Physics Elective-UD	3
	KC Social Science 2	3		Physics Elective	3
	Physics Elective-UD	3		General Elective	3
		<u>13</u>			<u>14</u>

\*MATH 12001 (Algebra and Trigonometry) is a prerequisite course, 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.