

# B.S. IN PHYSICS RESEARCH CONCENTRATION

Fall 1			Spring 1		
ENG 11011	College Writing I	3	MATH 12002	Calculus I	5
MATH 11010	Algebra for Calculus*	3	PHY 23101	Gen. Univ. Phys. I	5
MATH 11022	Trigonometry*	2	CHEM 10060	Gen. Chemistry I	4
PHY 12000	Intro. Seminar	1	CHEM 10062	Chemistry Lab I	1
US 10097	Dest. Kent State: FYE	1			<u>15</u>
	KC Humanities or Fine Arts	3			
	KC Social Science 1	3			
		<u>16</u>			
Fall 2			Spring 2		
ENG 21011	College Writing II	3	PHY 36001	Intro. Modern Physics	3
MATH 12003	Calculus II	5	CHEM 10061	Gen. Chemistry II	4
PHY 23102	Gen. Univ. Phys. II	5	CHEM 10063	Chemistry Lab II	1
	Foreign Lang. I**	4		Foreign Lang. II**	4
		<u>17</u>		KC Humanities	3
					<u>15</u>
Fall 3			Spring 3		
MATH 32051	Math. Phys. Sci. I	4	MATH 32052	Math. Phys. Sci. II	4
PHY 36002	App. Modern Physics	3	PHY 30020	Inter. Physics Lab	2
CS 13001	CSI: Prog. & Prob. Solv.	4	PHY 45301	Thermal Physics	3
	KC Fine Arts	3	PHY 45403	Data Anal. & Comp. Phys.	3
		<u>14</u>	PHY 46101	Quantum Mechanics	4
					<u>16</u>
Fall 4			Spring 4		
PHY 40092	Physics Internship	2	PHY 40020	Adv. Physics Lab	2
PHY 35101	Class. Mechanics	4		Physics Elective-UD	3
PHY 45201	Electromagnetic Theory	4		Physics Elective-UD	3
	Physics Elective	3		KC Social Science 2	3
		<u>13</u>		General Elective	4
					<u>15</u>

\*MATH 11010 (Algebra for Calculus) and MATH 11022 (Trigonometry) are prerequisite courses for MATH 12002. For students who cannot bypass these courses, they should be applied with 3 hours toward the “Additional Kent Core” requirement and 2 hours toward a “General Elective”.

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

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