

B.S. IN PHYSICS MATHEMATICAL PHYSICS CONCENTRATION

Fall 1			Spring 1		
ENG 11011	College Writing I	3	PHY 23101	Gen. Univ. Phys. I	5
MATH 12002	Calculus I*	5	MATH 12003	Calculus II	5
CHEM 10060	Gen. Chemistry I	4	CHEM 10061	Gen. Chemistry II	4
CHEM 10062	Chemistry Lab I	1	CHEM 10063	Chemistry Lab II	1
PHY 12000	Intro. Seminar	1			<u>15</u>
UC 10097	Dest. Kent State: FYE	1			
		<u>15</u>			
Fall 2			Spring 2		
MATH 32051	Math. Phys. Sci. I	4	MATH 32052	Math. Phys. Sci. II	4
PHY 23102	Gen. Univ. Phys. II	5	ENG 21011	College Writing II	3
CS 13001	CSI: Prog. & Prob. Solv.	4	PHY 36001	Intro. Modern Physics	3
	or			General Elective	3
CS 13011	CSIA-Procedural Prog. and	2		KC Humanities or Fine Arts	3
CS 13012	CSIB-Object Oriented Prog.	2			<u>16</u>
		<u>13</u>			
Fall 3			Spring 3		
PHY 35101	Class. Mechanics	4	PHY 30020	Inter. Physics Lab	2
PHY 36002	App. Modern Physics	3	PHY 45403	Data Anal. & Comp. Phys.	3
PHY 45201	Electromagnetic Theory	4	PHY 46101	Quantum Mechanics	4
	Foreign Lang. I	4		Foreign Lang. II	4
		<u>15</u>		KC Social Science 1	3
					<u>16</u>
Fall 4			Spring 4		
PHY 40092	Physics Internship	2	PHY 40020	Adv. Physics Lab	2
PHY 45401	Math Methods in Phys.	4		Physics Elective	3
	Physics Elective-UD	3		Physics Elective	3
	KC Humanities	3		KC Social Science 2	3
	General Elective	4		KC Fine Arts	3
		<u>16</u>			<u>14</u>

*MATH 12001 (Algebra and Trigonometry) is a prerequisite course, which the student with sufficient background should bypass.

Students in this concentration may complete a minor in Applied Mathematics by choosing two General Electives as appropriate upper-division MATH courses.