

# B.S. IN PHYSICS

## PRE-MEDICINE/PRE-OSTEOPATHY CONCENTRATION

Fall 1			Spring 1		
CHEM 10060	Gen. Chemistry I	4	CHEM 10061	Gen. Chemistry II	4
CHEM 10062	Chemistry Lab I	1	CHEM 10063	Chemistry Lab II	1
MATH 12002	Calculus I [1]	5	MATH 12003	Calculus II	5
PHY 12000	Intro. Seminar	1	PHY 23102	Gen. Univ. Phys. II	5
PHY 23101	Gen. Univ. Phys. I	5			<u>15</u>
UC 10097	Dest. Kent State: FYE	1			
		<u>17</u>			
Fall 2			Spring 2		
BSCI 10120	Biol. Foundations	4	BSCI 30140	Cell Biology	4
CHEM 30481	Org. Chem. I	3	CHEM 30482	Org. Chem. II	3
CHEM 30475	Org. Chem. Lab I	1	CHEM 30476	Org. Chem. Lab II	1
MATH 32051	Math. Phys. Sci. I	4	MATH 32052	Math. Phys. Sci. II	4
PSYC 11762	Gen. Psychology	3	PHY 36001	Intro. Modern Physics	3
		<u>15</u>			<u>15</u>
Fall 3			Spring 3		
BSCI 30030	Human Physiology [2]	4	BSCI 30171	Gen. Microbiology	4
BSCI 30156	Elem. Genetics	3	CHEM 30284	Intro. Biol. Chemistry [3]	4
PHY 35101	Class. Mechanics	4	PHY 30020	Inter. Physics Lab	2
SOC 12050	Intro. Sociology	3	ENG 21011	College Writing II	3
ENG 11011	College Writing I	3		Concentration Elective [4]	3-4
		<u>17</u>			<u>16 - 17</u>
Fall 4			Spring 4		
PHY 40092	Physics Internship	2	PHY 40020	Adv. Physics Lab	2
PHY 45201	Electromagnetic Theory	4		KC Humanities/Fine Arts	3
	Foreign Lang. I	4		Foreign Lang. II	4
	KC Humanities [5]	3		KC Fine Arts	3
		<u>13</u>			<u>12</u>

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

[2] BSCI 40040 (Animal Physiology) for 3 credits may substitute.

[3] CHEM 40245 (Biochemical Foundations of Medicine) for 4 credits may substitute.

[4] The concentration elective must be chosen either from BSCI 30518 (Vertebrate Anatomy) [4 credits], BSCI 40174 (Immunology) [3 credits], PHY 41010 (Biophotonics) [3 credits] - offered in Spring semesters - or from BSCI 40517 (Medical Histology) [3 credits] or PHY 44600 (Introduction to Biological Physics) [3 credits] - offered in Fall semesters.

[5] PHIL 21001 (Introduction to Ethics) for 3 credits is recommended.

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