

B.S. IN PHYSICS COMPUTER SCIENCE 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 |
| PHY 12000 | Intro. Seminar | 1 | CS 13001 | CSI: Prog. & Prob. Solving | 4 |
| US 10097 | Dest. Kent State: FYE | 1 | | | <u>14</u> |
| | KC: Humanities or Fine Arts | 3 | | | |
| | General Elective | 3 | | | |
| | | <u>16</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 23022 | Discrete Structures | 3 | PHY 36001 | Intro. Modern Physics | 3 |
| | Foreign Lang. I** | 4 | | Foreign Lang. II** | 4 |
| | | <u>16</u> | | | <u>14</u> |
| Fall 3 | | | Spring 3 | | |
| PHY 30020 | Inter. Physics Lab | 2 | CS 23001 | CSII: Data Struct. & Abst. | 4 |
| PHY 35101 | Class. Mechanics | 4 | | CS Elective-UD | 3 |
| PHY 36002 | App. Modern Physics | 3 | | Physics Elective-UD | 3 |
| PHY 45201 | Electromagnetic Theory | 4 | | KC Humanities | 3 |
| | KC Social Science 1 | 3 | | KC Social Science 2 | 3 |
| | | <u>16</u> | | | <u>16</u> |
| Fall 4 | | | Spring 4 | | |
| PHY 40020 | Adv. Physics Lab | 2 | | Physics Elective-UD | 3 |
| PHY 40092 | Physics Internship | 2 | | General Elective | 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 |
| CS 42201 | Num. Computing I | 3 | | CS Elective-UD | 3 |
| | KC Fine Arts | 3 | | | <u>14</u> |
| | | <u>15</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.