B.S. in Physics
Computer Science Concentration

Fall 1

ENG 11011	College Writing I	3
MATH 12002	Calculus I*	5
PHY 12000	Intro. Seminar	1
UC 10097	Dest. Kent State: FYE	1
	KC Humanities or Fine Arts	3
	KC Social Science 1	3
		16

Spring 1

PHY 23101	Gen. Univ. Phys. I	5
MATH 12003	Calculus II	5
CS 13001	CSI: Prog. & Prob. Solving	4
	or	
CS 13011	CSIA-Procedural Prog. and	2
CS 13012	CSIB-Object Oriented Prog.	2
		14

Fall 2

MATH 32051	Math. Phys. Sci. I	4
PHY 23102	Gen. Univ. Phys. II	5
CS 23022	Discrete Structures	3
	Foreign Lang. I	4
		16

Spring 2

MATH 32052	Math. Phys. Sci. II	4
ENG 21011	College Writing II	3
PHY 36001	Intro. Modern Physics	3
	Foreign Lang. II	4
		14

Fall 3

PHY 30020	Inter. Physics Lab	2
PHY 35101	Class. Mechanics	4
PHY 36002	App. Modern Physics	3
PHY 45201	Electromagnetic Theory	4
	General Elective	3
		16

Spring 3

CS 23001	CSII: Data Struct. & Abst.	4
PHY 46101	Quantum Mechanics	4
	Physics Elective-UD	3
	KC Humanities	3
		14

Fall 4

PHY 40020	Adv. Physics Lab	2
PHY 40092	Physics Internship	2
CHEM 10060	Gen. Chemistry I	4
CHEM 10062	Chemistry Lab I	1
CS 42201	Num. Computing I	3
	KC Fine Arts	3
		15

Spring 4

	Physics Elective-UD	3
	General Elective	4
CHEM 10061	Gen. Chemistry II	4
CHEM 10063	Chemistry Lab II	1
	KC Social Science 2	3
		15

*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 Computer Science by choosing two General Electives as appropriate upper-division Computer Science courses.

AY19-20