

**PARADIGM
PROGRAM OF STUDY FOR COMPUTER AND INFORMATION SCIENCES
MAJORS**

FRESHMAN YEAR

Fall Semester				Spring Semester			
FYA	101	Orientation to the Academy	1__	HI	102	World Civilization	3__
BY	101	General Biology I	3__	EN	102	English Composition II	3__
BY	101L	General Biology I Lab	1__	PH	102	Physical Science	3__
EN	101	English Composition I	3__	PH	102L	Physical Science Lab	1__
MA	101	Intermediate Algebra	3__	SPE	111	Fundamentals of Speech	3__
HI	101	World Civilization	3__	MA	110	Pre-Calculus I	3__
CIS	110	Computer Literacy	3__	PE	101-119	Physical Education	1__
			_____				_____
			17				17

SOPHOMORE YEAR

Fall Semester				Spring Semester			
EN	201	Intro to Literature <u>OR</u>		EN	299	Practice in Writing	3__
EN	202	World Masterpieces	3__	RE	211	Survey of World Religion	3__
SS	101	African American Experience	3__	MA	324	Discrete Mathematics	3__
PS	201	Intro to American Government	3__	CIS	260	Fundamentals of CIS	3__
MA	111	Pre-Calculus II	3__	CIS	290	Intro to Computer Programming	4__
CIS	120	Fund of microcomputer App	3__				
			_____				_____
			15				16

JUNIOR YEAR

Fall Semester				Spring Semester			
EC	201	Prin of Macroeconomics	3__	HUM	201	Humanities	3__
PSY	201	General Psychology	3__	CIS	320	Intro to JAVA Programming	4__
CIS	325	C++ Programming	4__	CIS	327	Visual Basic Programming	4__
CIS	270	Microcomputer Hardware	4__	CIS	370	Data Structures for IS	4__
CIS	271	Operating Systems	4__	CIS	310	Website Design	3__
			_____				_____
			18				18

SENIOR YEAR

Fall Semester				Spring Semester			
CIS	400	Database Management Systems	3__	CIS	449	Senior Seminar	1__
CIS	333	Assembly Language Program*	4__	CIS	395	Community Service Internship	4__
CIS	330	Computer Architecture*	3__	CIS	450	Information Systems Security	3__
CIS	360	Computer Networks and		CIS	305	Internet Concepts & Practice	4__
		Data Communications	4__				
		CIS 240, CIS 280, CIS 350 OR CIS 440	3__				
			_____				_____
			17				15

Total Hours: 133

* Must be taken together (co-requisites)