

Course Sequences and Curriculum Pattern

Computer Science Major

Freshman

Fall	Credits	Spring	Credits
ENG 101 English Composition	3	ENG 102	3
SS Elective	3	HUM 102 Humanities	3
PE 101 Physical Education	1	CS 206 Intro. to Web Technology	3
EDU 100 College Orientation	1	NS 101 Biological Sciences & lab	4
CS 150 Intro. to Computer Science	3	PE 102 Physical Education or PE 306 <u>1/2</u>	
HUM 101 Humanities	<u>3</u>		14/15
	14		

Sophomore

Fall	Credits	Spring	Credits
ENG 202 Public Speaking or ENG 203 (Adv. Writ). Or ENG 206 Technical Writing	3	CS 212 Formal Thinking	3
HIS 235 African American History I	3	CS 251 Advanced Programming	3
CS 250 Fundamental of Prog. Lang.	3	HIS 236 African American History II	3
**Foreign Language	3	**Foreign Language	3
CS 207 Advanced Web Technology	<u>3</u>	MTH 200 Elementary Statistics	<u>3</u>
	15		15

Junior

Fall	Credits	Spring	Credits
Elective	3	PHY 102 Physics	4
MTH 105 Pre-Calculus	3	CS 351 Programming Languages	3
CS 309 Algorithms & Data Structure	3	CS 358 Fund of Java Language	3
PHY 101 Physics	4	MTH 205 Calculus	4
CS 350 Intro. to Software Engineering	<u>3</u>	CS 371 Research Methods	<u>3</u>
	16		17

Senior

Fall	Credits	Spring	Credits
MTH 262 Discrete Mathematics	3	CS 330 Network & Data Comm.	3
CS 410 Database Manage. Systems I	3	CS 430 Network Security	3
CS 431 Operating Systems	3	CS 412 Database Manage. Systems II	3
***CS 416 Internship or CS/CIS/CYB		CS 432 Computer Architecture	3
Electives	<u>6</u>	CS 475 Seminar****	<u>2</u>
	15		14

- A grade of "C" or better is required for all CS or CIS courses
- The minimum number of semester hours in major needed for graduation is: 56.
- The minimum number of semester hours needed for graduation is: 120.
- *See General Requirements.
- *Initial math course is based on math placement test.
- *Humanities electives: ART 211, ENG 205, MUS 211, PHI 210, or REL 210

- ** Sign Language is not considered a substitute for the Foreign Language requirement
- *** CS 416 Internship can be completed with two semester work (Fall and Spring: Senior Year)
- *** Grade I will be assigned and will replace to the subsequent semester,
- ****CS 475 is a senior seminar course for Department of Computer Science Requirement