

# College of Health & Sciences

## 2014-2015 Computer Science Degree Plan

### FIRST YEAR - FRESHMAN

<u>Fall Semester</u>		<u>Spring Semester</u>	
MATH	1513 * College Algebra	CMPSC	1133 Computer Programming II
CMPSC	1113 * Computer Programming I	ENG	1213 * Freshman Composition II
PS	1113 * United States Government	KIN	2122 * Wellness or Nutrition FCS 1513
MATH	1713 Trigonometry		---3 * Communication** (Speech OR Language)
UNIV	1001 * Freshman Seminar		<i>COMM 1113 Fundamentals of Speech RECOMMENDED</i>
ENG	1113 * Freshman Composition I	MATH	2825 Calculus & Analytic Geometry I

**16 TOTAL HOURS**

**16-17 TOTAL HOURS**

### SECOND YEAR - SOPHOMORE

<u>Fall Semester</u>		<u>Spring Semester</u>	
CPSMA	2923 Data Structures & Algorithm Analysis	CMPSC	---3 CMPSC 2213, 2323 OR 3313
HIST	24-3 * United States History Survey**		---3 * Humanities-Cultural/ Human Diversity**
	---3 * Humanities-Western Civilization**	BIOL	1-14 * Life Science**
	---3 * Humanities & Social Sciences**		---3 * Social Sciences**
PHYS	1-14 * Physical Science**		---3 Minor or Elective*** (3 hours)

**16 TOTAL HOURS**

**16 TOTAL HOURS**

### THIRD YEAR - JUNIOR

<u>Fall Semester</u>		<u>Spring Semester</u>	
CMPSC	3613 Computer Architecture	CMPSC	4213 Data Base Design
CMPSC	3943 Software Design & Development		---3 Required Electives^(see list below)
CMPSC	---3 Required Elective		---3 Required Electives^(see list below)
CMPSC	---3 Required Elective		---6 Minor or Electives*** (6 Hours)
CPSMA	3913 Discrete Mathematics		
UNIV	3001 * General Education Seminar		

**16 TOTAL HOURS**

**15 TOTAL HOURS**

### FOURTH YEAR - SENIOR

<u>Fall Semester</u>		<u>Spring Semester</u>	
CMPSC	3113 Operating Systems	CMPSC	4473 Theory of Programming Languages
	---9 Minor or Elective*** (9 Hours)		---9 Minor or Elective*** (9 hours)
	---3 Minor or Elective*** (3 Hours)		---2 Minor or Elective*** (2 hours)

**15 TOTAL HOURS**

**14 TOTAL HOURS**

*^Required Electives (6 hours) CPSMA 3933, 4413 or dept. approved electives from unused classes in CMPSC.*

**TOTAL DEGREE PLAN HOURS 124**

\*General Education Requirement

\*\*See current catalog "General Education Requirements" for selection

\*\*\*Minor required (16-21 hours)/Electives (7-22 hours)