

College of Health & Sciences

2020-2021 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 | MATH 1713 Trigonometry |
| ENG 1113 * Freshman Composition I | ENG 1213 * Freshman Composition II |
| PS 1113 * United States Government | 1114 * Life Science** |
| HIST 24-3 * United States History Survey** | ---3 * Humanities-Western Civilization** |
| UNIV 1001 * Freshman Seminar | |

16 TOTAL HOURS

16 TOTAL HOURS

SECOND YEAR - SOPHOMORE

| <u>Fall Semester</u> | <u>Spring Semester</u> |
|---|---|
| MATH 2825 Calculus & Analytic Geometry I | CPSMA 3913 Discrete Mathematics |
| CPSMA 2923 Data Structures & Algorithm Analysis | CMPSC ---3 CMPSC 2213, 2323, 3313, CPSMA 4373 |
| CMPSC 3613 Computer Architecture | CMPSC ---3 CMPSC 3213, 3233, 3543, 4223, 4273, 4983 |
| ---3 * Humanities-Cultural/ Human Diversity** | ---3 * Humanities - Social Sciences** |
| ---3 * Communication** (Speech OR Language) | 1-14 * Physical Science** |

17 TOTAL HOURS

16 TOTAL HOURS

THIRD YEAR - JUNIOR

| <u>Fall Semester</u> | <u>Spring Semester</u> |
|---|---|
| CMPSC 3113 Operating Systems | CMPSC 4213 Data Base Design |
| CMPSC ---3 CMPSC 3213, 3233, 3543, 4223, 4273, 4983 | CMPSC ---3 CMPSC 2213, 2323, 331, CPSMA 4373 |
| ---3 Required Electives^(see list below) | CMPSC ---3 CMPSC 3213, 3233, 3543, 4223, 4273, 4983 |
| KIN 2122 * Wellness or Basic Nutrition HHFS 1513 | ---3 * Humanities - Additional Course** |
| ---6 Electives*** (6 Hours) | ---3 Electives*** (3 Hours) |

17 TOTAL HOURS

15 TOTAL HOURS

FOURTH YEAR - SENIOR

| <u>Fall Semester</u> | <u>Spring Semester</u> |
|--|--|
| CMPSC 3943 Software Design & Development | CMPSC 4473 Theory of Programming Languages |
| ---3 Elective*** (3 hours) | ---3 Required Electives^(see list below) |
| ---9 Elective*** (9 Hours) | ---6 Elective*** (6 hours) |

15 TOTAL HOURS

12 TOTAL HOURS

TOTAL DEGREE PLAN HOURS 124

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

*General Education Requirement

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

***Electives (27 hours)

Minor Not Required