Program: Computer Science
Major: Computer Science - Information Science
Degree: Bachelor of Science (B.S.)

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 96-97.

- Courses from the major may apply to the areas marked in the University Core.

Written and Oral Communication ...................................... 9

Quantitative Reasoning/Scientific Method .......................... 10-11
- Math................................................................. 3
- Life Science ...................................................... 4
- Physical Science .............................................. 3-4

Critical Inquiry and Aesthetic Analysis ............................... 6
- Aesthetic Analysis ............................................ 3
- Critical Inquiry ............................................... 3

Minimum Required Hours

Support Courses

Major Support Courses .................................................0-12

Students majoring in Computer Science-Information Science are encouraged to complete the following courses in high school.

A high school computer technology course using a word processor, spreadsheet, e-mail, browser, and search engines OR
CMSC 1053 Professional Computer Applications and Problem Solving
Advanced Placement High School Programming Course OR
CMSC 1513 Beginning Programming

*MATH 1533 Algebra for STEM OR Placement Score AND
*MATH 1593 Plane Trigonometry OR Placement Score

* A grade of ‘C’ or better is required for both MATH 1533 and 1593 to take MATH 2313.

upon completion of the above courses, corresponding university core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

Major Requirements

Computer Science - Information Science .......... 80

Required .............................................................. 65

^ CMSC 1613 Programming I
^ CMSC 1621 Programming I Laboratory
^ CMSC 2123 Discrete Structures
^ CMSC 2413 Visual Programming
^ CMSC 2613 Programming II
^ CMSC 2833 Computer Organization I
^ SE 3103 Object Oriented Software Design and Construction
^ CMSC 3303 Systems Analysis and Design
^ CMSC 3413 Enterprise Programming
^ CMSC 3613 Data Structures and Algorithms
^ CMSC 4003 Applications of Database Management Systems
^ CMSC 4063 Networks
^ CMSC 4153 Operating Systems

American Historical and Political Analysis ...................... 6
American National Government ................................... 3
American History .................................................. 3

Cultural and Language Analysis .................................3-4
Second Language ................................................ 4
OR
Cultural Analysis ................................................ 3

Social and Behavioral Analysis ................................. 3

Life Skills ............................................................. 5

Required Health Course ........................................... 2
- Elective Life Skills .............................................. 3

OR
- CONTINUED ON NEXT PAGE -
Minimum Required Hours

- CONTINUED FROM PREVIOUS PAGE -

Electives to bring total to........................................124

Minimum Grade Requirements
Average in (a) all college course work, (b) course work at UCO, and (c) major courses..................................................... 2.00

For other regulations pertaining to graduation, see pages 68-69 of the 2018-2019 catalog.