

## Transfer Agreement

Oklahoma City Community College: A.S. Computer Science – Computer Science

Major Code: 106B

and

University of Central Oklahoma: B.S. Computer Science

Major Code: 6100

### OSCC College Courses

### UCO requirement

#### General Education:

SCL 1001 Success in College and Life  
ENGL 1113 English Composition I  
ENGL 1213 English Composition II  
HIST 1483 U.S. History to the Civil War **or**  
HIST 1493 U.S. History since the Civil War  
POLSC 1113 American Federal Government  
HUMANITIES 6 hours  
PSY 1113 Intro to Psychology  
Physical Science 3 hours

#### University Core:

UNIV 1012 Success Central  
ENG 1113 English Composition  
ENG 1213 English Comp and Research  
HIST 1483 History of U.S. to 1877  
HIST 1493 History of U.S. since 1877  
POL 1113 American National Government  
HUMANITIES  
PSY 1103 General Psychology  
Physical Science  
  
PHY 1114 General Physics I and Laboratory  
PHY 2014 Physics for Scientists & Engineers I and Lab

Highly Recommend

PHYS 1114 College Physics I **or**  
PHY 2014 Engineers Physics I

BIO 1114 Biological Science(with lab) 4hrs  
COM 2213 Introduction to Public Speaking

BIO 1214 General Biology and Lab  
MCOM 1113 Fundamentals of Speech  
**OSCC A.S. degree completes UCO University Core requirements.**

MATH 1533 Pre-Calculus  
MATH 1613 Trigonometry  
^MATH 2104 Calc & Analytical Geometry I  
^MATH 2214 Calc & Analytical Geometry II

MATH 1513 College Algebra  
MATH 1593 Plane Trigonometry  
^MATH 2313 Calculus I  
^MATH 2323 Calculus 2

^CS1143 Beginning Programming  
^CS2163 Java  
^CS 2363 C++  
^CS 2453 Visual Basic  
^CS 2563 C#.NET **or**  
^ CS 2553 Advanced Visual Basic **or**  
^CS 2463 Advanced Java

CMSC 1513 Beginning Programming  
^CMSC 1613 Programming I  
^CMSC 2613 Programming II  
^CMSC 2413 Visual Programming

Elective lower division Computer Science

**Free electives.....0-4**

**Total 62-64 hours**

#### **Support Courses..... 0-3**

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

High School Physics **OR** PHY 1003 Introduction to Physics

## Major Requirements

### Computer Science ..... 64

#### Required ..... 51

- ^ CMSC 2123 Discrete Structures
- ^ CMSC 2833 Computer Organization I
- ^ CMSC 3103 Object Oriented Programming
- ^ CMSC 3833 Computer Organization II
- ^ CMSC 3613 Data Structures and Algorithms
- ^ CMSC 4003 Applications Database Management
- ^ CMSC 4023 Programming Languages **OR**
- ^CMSC 4173 Translator Design
- ^ CMSC 4153 Operating Systems
- ^ CMSC 4273 Theory of Computing
- ^ CMSC 4283 Software Engineering
- ^ CMSC 4401 Ethics in Computing
- ^\*CMSC 4513 Software Design and Development
- ^ MATH 2333 Calculus 3
- ^ MATH 3143 Linear Algebra
- STAT 3103 Statistical Methods I **OR**
- STAT 4113 Mathematical Statistics I
- PHY 2014 Physics for Scientists & Engineers I and Lab
- PHY 2114 Physics for Scientists & Engineers II and Lab

^ A grade of 'C' or better must be earned in CMSC 1613, 2123, 2613, 2833, 3103, 3613, 3833, 4003, (4023 OR 4173), 4153, 4273, 4283, 4401, 4513 and MATH 2313, 2323, 2333, 3143.

\* CMSC 4513 is recommended to be taken in the last semester prior to graduation.

#### Elective courses ..... 13

A minimum of 13 hours must be 3000/4000 level CMSC courses.

**(6 hours of elective CS course work from OCCC has been applied to the 19 hours of elective CMSC courses at UCO. See Academic Advisor or Department Chair.)**

No more than four (4) hours of Internship and Individual Study combined may be used to satisfy the CMSC elective requirement.

Credit cannot be received for both CMSC 3303 and 4283.

**Total hours at OCCC.....62-64**

**Total hours at UCO.....64-67**

**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**

Students must meet all bachelor degree requirements at UCO to include:

40 hours of upper division coursework

30 hours in residence at UCO

15 of the last 30 hours must be taken in residence at UCO

For other regulations pertaining to graduation, see the UCO 2012-2013 Undergraduate Catalog.