

## Transfer Agreement

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

Major Code: 106B

and

University of Central Oklahoma: B.S. Computer Science - Applied

Major Code: 6101

### 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 except PHYS 1314  
BIO 1114 General Biology  
COM 2213 Intro to Public Speaking

#### 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  
Biology  
MCOM 1113 Fundamentals of Speech  
**OSCC A.S. degree completes UCO University Core requirements.**

MATH 1533 PreCalculus and Analytic  
Geometry  
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**

**Computer Science – Applied.....39**

**Required ..... 30**

- ^ CMSC 2123 Discrete Structures
- ^ CMSC 2833 Computer Organization I

- ^ CMSC 3103 Object Oriented Programming
- ^ CMSC 3303 System Analysis and Design **OR**
- ^ CMSC 4283 Software Engineering
- ^ 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 4513 Software Design and Development
- STAT 3103 Statistical Methods I **OR**
- STAT 4113 Mathematical Statistics I

^ A grade of 'C' or better must be earned in CMSC 1613, (1713 OR 2413), 2123, 2613, 2833, 3103, (3303 OR 4283), 3613, 4003, (4023 OR 4173), 4153, 4513 and MATH 2313, 2323.

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

**\*Elective 3000/4000 level Computer Science course..... 9**

No more than three (3) 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.

**Minor ..... 18**

**Minor**

The student will complete a minor; if the student is completing a second Bachelor's degree, the first degree's major will satisfy the requirements for the minor.

**OR**

**Second Major**

The student will complete a second major. If any of the courses listed among the 54 hours above is required for the second major, then (subject to academic policy) replacement course(s) will be selected by the Chair of the department in which the student is taking the second major.

**OR**

**Associate degree or comparable concentration** in an information technology-related discipline transferred from a regionally accredited two- or four-year college or international equivalent with the approval of the Computer Science Department.

If less than 18 hours are transferred under this category, the student should take 2/3/4000 level CMSC electives to make up the difference. A student may take additional CMSC 3/4000 electives to bring the total hours of upper-division courses to 40.

**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
<b>Total hours at OCCC.....</b>	<b>62-64</b>
<b>Total hours at UCO.....</b>	<b>60-62</b>
<b>Electives to bring total to.....</b>	<b>124</b>
<b>*Electives at 3/4000 level.....</b>	<b>7</b>
<b>UCO electives to bring total hours at a baccalaureate granting institution to.....</b>	<b>60</b>

**\* A student may take additional CMSC 3/4000 courses to bring the total hours of upper-division courses to 40.**

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 2013-2014 Undergraduate Catalog.