

## Transfer Agreement

Oklahoma City Community College: AS - Computer Science  
And  
University of Central Oklahoma: BS - Computer Science

To comply with this agreement, students must complete the associate’s degree with the major listed above and include the specific courses listed below.

**Courses listed here are required for the agreement. Credited courses completed as part of the AA or AS that do not apply to the general education at OCCC or the UCO major transfer to UCO as electives.**

### OCCC

- General Education requirements
- ^CS 1143 Beginning Programming
- ^MATH 1533 Pre-Calculus
- ^MATH 1613 Trigonometry
- CS 2163 JAVA
- CS 2363 C++
- MATH 2104 Calculus and Analytic Geometry I
- MATH 2214 Calculus and Analytic Geometry II
- MATH 2314 Calculus and Analytic Geometry III
- CHEM 1115 General Chemistry I **OR**
- PHYS 1114 College Physics I **OR**
- PHYS 2014 Engineering Physics I

### UCO

- University Core completed with AA or AS
- ^CMSC 1513 Beginning Programming
- ^MATH 1533 Algebra for STEM
- ^MATH 1593 Plane Trigonometry
- CMSC 1613 Programming I
- CMSC 2613 Programming II
- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- CHEM 1103 General Chem I and CHEM 1112 **OR**
- PHY 1114 General Physics I and Laboratory **OR**
- PHY 2014 Physics for Science & Engineering I  
And Lab

^UCO lists the following for this program: Students majoring in Computer Science are encouraged to complete the following courses in high school: 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.

**This degree requires additional course work, including the general education, as stated in the OCCC Catalog. Other OCCC courses may or may not apply to the UCO major. That specific information can be found on the UCO website under the Online Transfer Guides.**

**Total at Oklahoma City Community College.....61-64**

**To be taken at the University of Central Oklahoma.....60-63**

**(May be taken at OCCC.) This signifies that a UCO course requirement can be met with the equivalent OCCC course (found on the UCO website). To take this course at OCCC, the student should confirm that it will fit into the associate’s degree without exceeding the requirements. A minimum of 60 hours must be taken at a baccalaureate granting institution, so exceeding 64 credit**

**hours at the community college means the student will exceed the minimum of 124 credit hour total. A minimum of 40 hours of 3/4000 level courses are required for the baccalaureate. Courses from community colleges are 1/2000 level.**

Major Requirements

|                        |   |
|------------------------|---|
| Computer Science ..... | 60  |
| Required.....          | 44  |
| ^ CMSC 1621            | Programming I Laboratory                              |
| ^ CMSC 2123            | Discrete Structures                                   |
| ^ CMSC 2833            | Computer Organization I                               |
| ^ SE 3103              | Object Oriented Software Design and Construction      |
| ^ CMSC 3613            | Data Structures and Algorithms                        |
| ^ CMSC 3833            | Computer Organization II                              |
| ^ CMSC 4003            | Applications of Database Management Systems           |
| ^ CMSC 4023            | Programming Languages <b>OR</b>                       |
| ^CMSC 4173             | Translator Design                                     |
| ^ CMSC 4153            | Operating Systems                                     |
| ^ CMSC 4273            | Theory of Computing                                   |
| ^ SE 4283              | Software Engineering I                                |
| ^ CMSC 4323            | Computer and Network Security                         |
| ^ CMSC 4401            | Ethics in Computing                                   |
| ^* CMSC 4513           | Software Design and Development                       |
| ^ MATH 3143            | Linear Algebra  |
| ^ STAT 2113            | Statistical Methods <b>OR (May be taken at OCCC.)</b> |
| ^ STAT 2103            | Introduction to Statistics for Sciences <b>OR</b>     |
| ^ STAT 4113            | Mathematical Statistics I                             |

^ A grade of 'C' or better must be earned in all required CMSC, SE, MATH, and STAT courses.

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

Elective CMSC or SE courses.....16  
(OCCC CS 2453 may be applied in this area. OCCC CS 2563, 2553, or 2463 also may be applied.)  
Select from the following:  
    CMSC 2621 Programming II Laboratory  
    CMSC 3621 Data Structures/Algorithms Laboratory  
    Any 3/4000 level CMSC or SE courses

SE 4513 may not be used to satisfy the CMSC or SE elective requirement.

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

Credit cannot be received for both CMSC 3303 and SE 4283.

**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**

**Program-to-Program Transfer policies are available in the Introduction for Program-to-Program Agreements on the UCO website at the top of the list of agreements. Links to the agreements can be found on the Academic Affairs or Transfer Student Support web pages.**