

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
- CHEM 1115 General Chemistry I **OR**
- PHYS 1114 College Physics I **OR**
- PHYS 2014 Engineering Physics I
- Support Course: CHEM 1215, PHYS 1214, **OR** PHYS 2114

UCO

- University Core completed with AA or AS
- ^CMSC 1513 Beginning Programming
- ^MATH 1533 Algebra for STEM (sub)
- ^MATH 1593 Plane Trigonometry
- CMSC 1613 Programming I
- CMSC 2613 Programming II
- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- CHEM 1103 General Chem I and CHEM 1112 **OR**
- PHY 1114 General Physics I and Laboratory **OR**
- PHY 2014 Engineering Physics I and Laboratory
- Elective Science: CHEM 1223 and 1232, PHY 1214, **OR** PHY 2114

^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 Transfer Students, 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 3833	Computer Organization II
^ CMSC 3613	Data Structures and Algorithms
^ CMSC 4003	Applications of Database Management
^ CMSC 4023	Programming Languages OR
^CMSC 4173	Translator Design
^ CMSC 4153	Operating Systems
^ CMSC 4273	Theory of Computing
^ SE 4283	Software Engineering I
^ CMSC 4401	Ethics in Computing
^*CMSC 4513	Software Design and Development
^ MATH 2333	Calculus 3 (May be taken at OCCC.)
^ MATH 3143	Linear Algebra
^ STAT 2113	Statistical Methods OR (May be taken at OCCC.)
^ STAT 2103	Introduction to Statistics for Sciences OR
^ STAT 4113	Mathematical Statistics 1

^ 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.