

Transfer Agreement  
 Seminole State College: A.S. Computer Science  
 And  
 University of Central Oklahoma: B.S. Computer Science: Applied

To comply with this agreement, students must complete the associate 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.

Seminole State College (SSC)	University of Central Oklahoma (UCO)
An Associate in Science (AS) or Associate in Art (AA) degree from an accredited Oklahoma institution that includes the OSRHE minimum requirements will satisfy the UCO University Core.	<ul style="list-style-type: none"> <li>• Written and Oral Communication</li> <li>• Quantitative Reasoning/Scientific Method with Lab</li> <li>• Critical Inquiry and Aesthetic Analysis</li> </ul>
See the program requirements for the associate degree on the SSC website.  Credited courses completed as part of the A.A. or A.S. that do not apply to the general education at SSC or the UCO major transfer to UCO as electives.	<ul style="list-style-type: none"> <li>• American Historical and Political Analysis</li> <li>• Cultural and Language Analysis</li> <li>• Social and Behavioral Analysis</li> <li>• Life Skills</li> </ul>
Hours required for the AS or AA degree/major at SSC .....60-64	Remaining hours in UCO University Core.....0

Seminole State College courses	UCO courses
MATH 1513 Pre-Calc for Eng-Phys-CS	MATH 1513 College Algebra
CS 2013 Programming in C++I	CMSC 1613 Programming I
MATH 1613 Trigonometry	MATH 1593 Plane Trigonometry
MATH 2215 Calculus and Analytic Geometry I	MATH 2313 Calculus I

SSC transfer students are expected to self-study Java because the programming language will be used in subsequent courses.

Total at Seminole State College.....60-64  
 To be taken at the University of Central Oklahoma.....60-73 (minus any hours taken that apply to the Applied Area of Study)

Major Requirements

Computer Science – Applied.....55  
 Required..... 43  
 ^ CMSC 1621 Programming I Laboratory  
 ^ CMSC 2123 Discrete Structures

- ^ CMSC 2413 Visual Programming (May be taken at SSC.)
- ^ CMSC 2613 Programming II
- ^ CMSC 2621 Programming II Laboratory
- ^ CMSC 2833 Computer Organization and Architecture I
- ^ SE 3103 Object Oriented Software Design and Construction
- ^ CMSC 3303 Systems Analysis and Design OR
- ^ SE 4283 Software Engineering I
- ^ CMSC 3613 Data Structures and Algorithms
- ^ CMSC 3621 Data Structures and Algorithms Lab
- ^ CMSC 4003 Applications of Database Management Systems
- ^ CMSC 4023 Programming Languages OR
- ^CMSC 4173 Translator Design
- ^ CMSC 4153 Operating Systems
- ^ CMSC 4401 Ethics in Computing
- ^\*CMSC 4513 Software Design and Development
- ^ MATH 2323 Calculus 2
- ^ STAT 2113 Statistical Methods OR
- ^ 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 ..... 12  
 Any 3/4000 level CMSC or SE courses except SE 4513

No more than three (3) 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.

## Applied Area of Study.....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.

OR

Associate degree or certificate or comparable concentration in an information technology or non-computer science/non-general studies discipline 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

Students must meet all bachelor's degree requirements at UCO to include minimums of:  
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  
60 hours from baccalaureate granting institutions

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 transfer agreements. This agreement does not include all possible variations for transfer with these programs/majors. The Academic Advisors along with the information in the official catalogs at both institutions are critical to the understanding of the specifics of degree completion.