

Transfer Agreement

Seminole State College: A.S. Computer Science

And

University of Central Oklahoma: B.S. Software Engineering

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 A.A. or A.S. that do not apply to the general education at SSC or the UCO major transfer to UCO as electives.

Seminole State College	UCO
General Education requirements CHEM 1315 General Chemistry I OR PHYS 2114 General Physics I MATH 1513 Pre-Calc for Eng-Phys-CS CS 2013 Programming in C++ MATH 1613 Trigonometry MATH 2215 Calculus and Analytic Geometry I	University Core completed with A.A or A.S. CHEM 1103 General Chemistry I and CHEM 1112 General Chemistry I Recitation/Lab OR PHY 1114 General Physics I and Laboratory MATH 1513 College Algebra CMSC 1613 Programming I MATH 1593 Plane Trigonometry MATH 2313 Calculus 1

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

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

Total at Seminole State College.....60-64

To be taken at the University of Central Oklahoma.....68-69

	Major Requirements
Software Engineering	68-69
Required.....	49
^CMSC 1621	Programming I Laboratory
^CMSC 2123	Discrete Structures
^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 3613	Data Structures and Algorithms
^CMSC 3621	Data Structures and Algorithms Lab
^CMSC 4003	Applications of Database Management Systems
-^SE 4283	Software Engineering I
^CMSC 4323	Computer and Network Security
^CMSC 4401	Ethics in Computing
^SE 4423	Software Engineering II
^SE 4433	Software Architecture and Design
^SE 4513	Software Engineering Senior Project *
^MATH 2323	Calculus 2
^MATH 2333	Calculus 3
^MATH 3143	Linear Algebra

- ^STAT 2113 Statistical Methods **OR**
- ^STAT 2103 Introduction to Statistics for Sciences **OR**
- ^STAT 4113 Mathematical Statistics I

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

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

Elective Science/Math courses..... 4 (if CHEM 1315 was taken in Gen Ed) or 5 (if PHYS 2114 was taken in Gen Ed) for a total of 8 hours minimum in this area, including at least one lab course.

- CHEM 1103 General Chemistry I
- CHEM 1112 General Chemistry I Recitation/Laboratory
- CHEM 1223 General Chemistry II
- CHEM 1232 General Chemistry II Recitation/Laboratory
- PHY 1114 General Physics I and Laboratory
- PHY 1214 General Physics II and Laboratory
- PHY 2014 Phys for Science & Engineering I and Lab
- PHY 2114 Phys for Science & Engineering II and Lab

Any non-required 2/3/4000 level MATH or STAT courses with the following exceptions: MATH 2013, 2053, 2113, 2123, 2133, 2153, 2743, 3323, or 4843.

Elective Courses..... 9

Choose nine (9) hours from one of the two application areas:

Application Development

- CMSC 3413 Enterprise Programming
- CMSC 4133 Concepts of Artificial Intelligence
- CMSC 4303 Mobile Apps Programming
- CMSC 4373 **Cloud Web Apps Development**

System Development

- CMSC 4023 Programming Languages
- CMSC 4063 Networks
- CMSC 4153 Operating Systems
- CMSC 4173 Translator Design
- CMSC 4193 Introduction to Robotics

Elective CMSC or SE Courses..... 6

Any 3/4000 level CMSC or SE courses except CMSC 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.

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

Additional degree requirements can be found in the UCO Undergraduate Catalog.

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.