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.

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

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

<table>
<thead>
<tr>
<th>Major Requirements</th>
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<tbody>
<tr>
<td>Software Engineering .......................................................... 68-69</td>
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</table>

Required............................................................................................................. 49

- CMSC 1621 Programming I Laboratory
- CMSC 2123 Discrete Structures
- CMSC 2613 Programming II
- ^CMSC 2621 Programming II Laboratory
- ^CMSC 2833 Computer Organization 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 1

^ 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  Web Server Programming

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.