

## Transfer Agreement

Rose State College: A.S.-Mathematics - Computer Science Emphasis  
 University of Central Oklahoma: B.S.–Computer Science-Applied

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

### RSC

General Education requirements  
 MATH 2103 Discrete Math  
 MATH 2113 Calculus and Analytical Geometry I  
 MATH 2123 Calculus and Analytical Geometry II  
 MATH 2853 Intro. to Statistics for Engineering and Science  
 CIT 1113 Fund of Computer & Programming Logic  
 CIT 1173 C++ Language

### UCO

University Core completed with A.A or A.S.  
 CMSC 2123 Discrete Structures (Sub.)  
 MATH 2313 Calculus 1  
 MATH 2323 Calculus 2  
 STAT 2113 Statistical Methods  
 CMSC 1513 Beginning Programming  
 CMSC 1613 Programming I

**This degree requires additional course work, including the general education, as stated in the RSC Catalog. Other RSC 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 Rose State College.....60-64**

**To be taken at the University of Central Oklahoma.....60-64**

Major Requirements

Computer Science – Applied.....44  
 Required..... 32  
 ^ CMSC 1621 Programming I Laboratory  
 ^ CMSC 2413 Visual Programming  
 ^ CMSC 2613 Programming II  
 ^ CMSC 2833 Computer Organization 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 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

^ 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

Any programming labs (CMSC 2621 and 3621)

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 comparable concentration in an information technology-related discipline transferred 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 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.**