

## Transfer Agreement

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

### UCO

General Education requirements  
 MATH 2103 Discrete Math  
 MATH 1914 Differential and Integral Calculus I  
 MATH 2924 Differential and Integral Calculus II  
 MATH 2853 Intro. to Statistics for Engineering and Science  
 CIT 1113 Fund of Computer & Programming Logic  
 CIT 1173 C++ Language

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.....60-67**

#### Major Requirements

Computer Science - Information Science.....	67
Required.....	52
^ CMSC 1621 Programming I Laboratory	
^ CMSC 2413 Visual Programming	
^ CMSC 2613 Programming II	
^ CMSC 2161 Programming II Laboratory	
^ CMSC 2833 Computer Organization I	
^ SE 3103 Object Oriented Software Design and Construction	
^ CMSC 3303 Systems Analysis and Design <b>OR</b>	
<b>SE 4283 Software Engineering I</b>	
^ CMSC 3413 Enterprise Programming	
^ CMSC 3613 Data Structures and Algorithms	
<b>^ CMSC 3621 Data Structures and Algorithms Lab</b>	
^ CMSC 4003 Applications of Database Management Systems	
^ CMSC 4063 Networks	
^ CMSC 4153 Operating Systems	
^ CMSC 4323 Computer and Network Security	
^ CMSC 4401 Ethics in Computing	

- ^\* CMSC 4513 Software Design and Development
- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- MGMT 3103 Principles of Management
- ISOM 3263 Management Information Systems

^ 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..... 9  
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.

Other areas of application ..... 6

Selected from the following:

- ACCT 3113 Managerial Accounting
- FIN 3563 Fundamentals of Business Finance
- ISOM 3323 Business Analytics
- ISOM 4063 Computer Simulation
- ISOM 4283 Developing Decision Support Systems
- ISOM 4363 Information Systems Management
- ISOM 4513 Virtualization

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.**