

## 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 degree with the major listed above and include the specific courses listed below.

| Rose State College (RSC)   | 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 RSC website.<br><br>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. | <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 RSC .....60-64   | Remaining hours in UCO University Core.....0  |

| RSC Courses  | UCO Courses                          |
|--|--------------------------------------|
| MATH 2103 Discrete Math                                    | CMSC 2123 Discrete Structures (Sub.) |
| MATH 1914 Differential and Integral Calculus I             | MATH 2313 Calculus 1                 |
| MATH 2924 Differential and Integral Calculus II            | MATH 2323 Calculus 2                 |
| MATH 2083 Intro. to Statistics for Engineering and Science | STAT 2113 Statistical Methods        |
| CIT 1113 Fund of Computer & Programming Logic              | CMSC 1513 Beginning Programming      |
| CIT 1173 C++ Language                                      | CMSC 1613 Programming I              |

Total at Rose State College.....64

To be taken at the University of Central Oklahoma.....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 and Architecture I  
 ^ SE 3103 Object Oriented Software Design and Construction  
 ^ CMSC 3303 Systems Analysis and Design OR

|         |      |   |
|---------|------|---|
| SE      | 4283 | Software Engineering I                      |
| ^ CMSC  | 3413 | Enterprise Programming                      |
| ^ CMSC  | 3613 | Data Structures and Algorithms              |
| ^ CMSC  | 3621 | Data Structures and Algorithms Lab          |
| ^ CMSC  | 4003 | Applications of Database Management Systems |
| ^ CMSC  | 4063 | Computer Networks                           |
| ^ CMSC  | 4083 | Cybersecurity                               |
| ^ CMSC  | 4153 | Operating Systems                           |
| ^ 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                      |

Minimum total hours ..... 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

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.