

## Transfer Agreement

Rose State College: A.S.-Mathematics - Computer Science Emphasis and  
University of Central Oklahoma: B.S.–Computer Science-Information Science  
Major Code: 6102

### Rose State College Courses

#### General Education as stated in RSC Catalog

ENGL 1113 English Composition I  
ENGL 1213 English Composition II  
HIST 1493 U.S. History since 1877 **or**  
HIST 1483 U.S. History to 1877  
POLS 1113 American Federal Government  
Life Science (3-4)  
HUM (6)  
HPER (2)  
Liberal Arts Elective (3)

MATH 2113 Calculus and Analytical Geometry I  
MATH 2123 Calculus and Analytical Geometry II  
MATH 2143 Calculus and Analytical Geometry III  
MATH 2153 Calculus and Analytical Geometry IV  
MATH 2103 Discrete Math  
MATH 2853 Intro. to Statistics for Engineering and  
Science

CIT 1113 Fund of Computer & Programming Logic  
CIT 1173 C++ Language  
CIT 2173 Windows® Programming in C++ .NET

PHYS 2434 Physics I for Eng. & Science Majors and  
PHYS 2401 General Physics Laboratory I  
PHYS 2444 Physics II for Eng. & Science Major and  
PHYS 2411 General Physics Laboratory II  
**\*Total 62-64**

**\*To include additional course work required for the A.S. as presented in the RSC Catalog.**

**To be taken at the University of Central Oklahoma.....60-62**

#### Major Requirements

Computer Science - Information Science.....61  
Required..... 46  
^ CMSC 1621 Programming I Laboratory  
^ CMSC 2613 Programming II  
^ CMSC 2833 Computer Organization I

### UCO requirement

ENG 1113 English Composition  
ENG 1213 English Composition and Research  
HIST 1493 History of U.S. since 1877 or  
HIST 1483 History of U.S. to 1877  
POL 1113 American National Government  
**RSC A.S. completes UCO University Core  
Requirements.**

MATH 2313 Calculus 1  
MATH 2323 Calculus 2  
MATH 2333 Calculus 3  
MATH 2343 Calculus 4  
CMSC 2123 Discrete Structures (Sub.)  
STAT 2113 Statistical Methods

CMSC 1513 Beginning Programming  
CMSC 1613 Programming I  
CMSC 2413 Visual Programming (Sub.)

PHYS 2014 Physics for Scientists & Engineers I  
And Lab  
PHYS 2114 Physics for Scientists & Engineers II  
And Lab

- ^ SE 3103 Object Oriented Software Design and Construction
- ^ CMSC 3303 Systems Analysis and Design
- ^ CMSC 3413 Enterprise Programming
- ^ CMSC 3613 Data Structures and Algorithms
- ^ CMSC 4003 Applications Database Management
- ^ CMSC 4063 Networks
- ^ CMSC 4153 Operating Systems
- ^ CMSC 4323 Computer and Network Security
- ^ \*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  
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.

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

**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.**