

Transfer Agreement

Rose State College: A.S.-Mathematics - Computer Science Emphasis and
University of Central Oklahoma: B.S.–Computer Science-Applied
Major Code: 6101

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

10 hrs. required below:

CHEM 1135 General College Chemistry I
CHEM 1145 General College Chemistry II
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

UCO requirement

ENG 1113 English Composition
ENG 1213 English Composition and Research
HIST 1493 History of U.S. since 1877
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 2313 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.)

CHEM 1103/112 General Chemistry I and Lab
CHEM 1223/1232 General Chemistry I and Lab
PHYS 2434 Physics for Scientists & Engineers I
And Lab
PHYS 2434 Physics for Scientists & Engineers II
And Lab

Major Requirements

Computer Science - Applied36
Required..... 27

- ^ CMSC 2613 Programming II
- ^ CMSC 2833 Computer Organization I
- ^ CMSC 3103 Object Oriented Software Design and Construction
- ^ CMSC 3303 System Analysis and Design **OR**
 - ^ CMSC 4283 Software Engineering I
- ^ CMSC 3613 Data Structures and Algorithms
- ^ CMSC 4003 Applications Database Management
- ^ CMSC 4023 Programming Languages **OR**
 - ^CMSC 4173 Translator Design
- ^ CMSC 4153 Operating Systems
- ^*CMSC 4513 Software Design and Development

^ A grade of 'C' or better must be earned in CMSC 1613, (1713 OR 2413), 2123, 2613, 2833, 3103, (3303 OR 4283), 3613, 4003, (4023 OR 4173), 4153, 4513 and MATH 2313, 2323.

* 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 1621, 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 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

For other regulations pertaining to graduation, see the UCO 2015-2016 Undergraduate Catalog.