

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

UCO requirement

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)

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 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

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

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

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

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

CHEM 1103/1112 General Chemistry I and Lab
 CHEM 1223/1232 General Chemistry I and Lab
 PHYS 2014 Physics for Scientists & Engineers I
 And Lab
 PHYS 2114 Physics for Scientists & Engineers II
 And Lab

***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 – Applied.....40
 Required..... 28

- ^ CMSC 1621 Programming I Laboratory
- ^ CMSC 2613 Programming II
- ^ CMSC 2833 Computer Organization I
- ^ SE 3103 Object Oriented Software Design and Construction
- ^ CMSC 3303 System Analysis and Design **OR**
- ^ SE 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 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. If any of the courses listed is required for the second major, then (subject to academic policy) replacement course(s) will be selected by the Chair of the department in which the student is taking the 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

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.