

Transfer Agreement

Rose State College: A.S.-Mathematics - Computer Science Emphasis and
University of Central Oklahoma: B.S.–Computer Science
Major Code: 6100

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.**

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 2000- level elective

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

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

Major Requirements

Computer Science	51
Required	38
^ CMSC 1621	Programming I Laboratory
^ CMSC 2613	Programming II
^ CMSC 2833	Computer Organization I
^ SE 3103	Object Oriented Software Design and Construction
^ CMSC 3833	Computer Organization II
^ 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 4273	Theory of Computing
^ SE 4283	Software Engineering I
^ CMSC 4401	Ethics in Computing
^*CMSC 4513	Software Design and Development
^ MATH 3143	Linear Algebra

^ 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.....13 (Rose State CIT 2173 has been applied here.)

Selected from the following:

- CMSC 2621 Programming II Laboratory
- CMSC 3621 Data Structures/Algorithms Laboratory
- Any 3/4000 level CMSC or SE courses

In addition to CMSC 2621 and 3621, an additional 3 hours of CMSC or SE electives may be taken at the 2000 level.

SE 4513 may not be used to satisfy the CMSC or SE elective requirement.

No more than four (4) 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.

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.