

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

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
- 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 2313 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 2000- level elective

10 hrs. required below:

- 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

- PHYS 2434 Physics for Scientists & Engineers I And Lab
- PHYS 2434 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	53
Required.....	37
^ CMSC 2613	Programming II
^ CMSC 2833	Computer Organization I
^ CMSC 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
- ^ CMSC 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 CMSC 1613, 2123, 2613, 2833, 3103, 3613, 3833, 4003, (4023 OR 4173), 4153, 4273, 4283, 4401, 4513 and MATH 2313, 2323, 2333, 3143.

* CMSC 4513 is recommended to be taken in the last semester prior to graduation.

Elective CMSC or SE courses..... 16

Selected from the following:

- CMSC 1621 Programming I Laboratory
- CMSC 2621 Programming II Laboratory
- CMSC 3621 Data Structures/Algorithms Laboratory
- Any 3/4000 level CMSC or SE courses

In addition to CMSC 1621, 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 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.