

Transfer Agreement

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

To comply with this agreement, students must complete the associate’s degree with the major listed above and include the specific courses listed below.

Courses listed here are required for the agreement. Credited courses completed as part of the A.A. or A.S. that do not apply to the general education at RSC or the UCO major transfer to UCO as electives.

RSC

- General Education requirements
- MATH 2103 Discrete Math
- MATH 1914 Differential and Integral Calculus I
- MATH 2924 Differential and Integral Calculus II
- MATH 2934 Differential and Integral Calculus III

- PHYS 2434 Physics I for Eng. & Science Majors and
- PHYS 2401 General Physics Laboratory I
- MATH 2853 Intro. to Statistics for Engineering and Science
- CIT 1113 Fund of Computer & Programming Logic
- CIT 1173 C++ Language

UCO

- University Core completed with A.A or A.S.
- CMSC 2123 Discrete Structures (sub)
- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3

- PHY 2014 Physics for Science and Engineering I and Lab (sub)
- STAT 2113 Statistical Methods

- CMSC 1513 Beginning Programming
- CMSC 1613 Programming I

This degree requires additional course work as stated in the RSC Catalog. Other Rose State courses may or may not apply to the UCO major. That specific information can be found on the UCO website under Transfer Students, Online Transfer Guides.

Total at Rose State College.....60-64

To be taken at the University of Central Oklahoma.....60-64

Major Requirements

Computer Science	58
Required	42
^ CMSC 1621 Programming I Laboratory	
^ CMSC 2613 Programming II	
^ CMSC 2161 Programming II Laboratory	
^ CMSC 2833 Computer Organization I	
^ SE 3103 Object Oriented Software Design and Construction	
^ CMSC 3613 Data Structures and Algorithms	
^ CMSC 3833 Computer Organization II	
^ CMSC 4003 Applications of Database Management Systems	
^ CMSC 4023 Programming Languages OR	
^CMSC 4173 Translator Design	
^ CMSC 4153 Operating Systems	
^ CMSC 4273 Theory of Computing	

- ^CMSC 4401 Ethics in Computing
 - ^SE 4423 Software Engineering II
 - ^SE 4433 Software Architecture and Design
 - ^SE 4513 Software Engineering Senior Project *
 - ^MATH 3143 Linear Algebra
- ^ A grade of 'C' or better must be earned in all required CMSC, SE, MATH and STAT courses.

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

Elective Courses.....9

Choose nine (9) hours from one of the two application areas:

Application Development

- CMSC 3413 Enterprise Programming
- CMSC 4133 Concepts of Artificial Intelligence
- CMSC 4303 Mobile Apps Programming
- CMSC 4373 Web Server Programming

System Development

- CMSC 4023 Programming Languages
- CMSC 4063 Networks
- CMSC 4153 Operating Systems
- CMSC 4173 Translator Design
- CMSC 4193 Introduction to Robotics

Elective CMSC or SE Courses.....6

Any 3/4000 level CMSC or SE courses except CMSC 4513

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.

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

Students must meet all bachelor degree requirements at UCO to include minimums of:

- 40 hours of upper division coursework
- 30 hours in residence at UCO
- 15 of the last 30 hours must be taken in residence at UCO
- 60 hours from baccalaureate granting institutions

Additional degree requirements can be found in the UCO Undergraduate Catalog.

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.