

Transfer Agreement  
**Rose State College: A.S.-Mathematics-General Emphasis**  
**University of Central Oklahoma: B.S.–Mathematics**

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.**

| <b>RSC</b>  | <b>UCO</b>                                       |
|---|--|
| General Education requirements                      | University Core completed with A.A or A.S.       |
| MATH 1914 Differential and Integral Calculus I and  | MATH 2313 Calculus 1 and                         |
| MATH 2924 Differential and Integral Calculus II and | MATH 2323 Calculus 2 and                         |
| MATH 2934 Differential and Integral Calculus III    | MATH 2333 Calculus 3 and<br>MATH 2343 Calculus 4 |

**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.**

(May be taken at RSC.) This signifies that a UCO course requirement can be met with the equivalent RSC course (found on the UCO website). To take this course at RSC, the student should confirm that it will fit into the associate’s degree without exceeding the requirements. A minimum of 60 hours must be taken at a baccalaureate granting institution. Exceeding 64 credit hours at the community college means the student will be required to take more than the minimum of 124 credit hour total. A minimum of 40 hours of 3/4000 level courses is required for the baccalaureate. Courses from community colleges are 1/2000 level.

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

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

Major Requirements

**Mathematics .....35**

**Required ..... 18**

- MATH 2753 Technology for Professional Math and Statistics
- MATH 3113 Foundations of Advanced Math
- MATH 3143 Linear Algebra
- MATH 3183 Introduction to Modern Algebra
- MATH 4143 Introduction to Analysis 1
- STAT 4113 Mathematical Statistics 1

**Electives ..... 17**

At least nine (9) hours must be selected from the following:

- MATH 3103 Differential Equations (**May be taken at RSC.**)
- MATH 3163 Elementary Number Theory
- MATH 4153 Introduction to Analysis 2
- MATH 4483 History of Mathematics

STAT 4123 Mathematical Statistics 2  
All other elective courses must be selected from 3000 and 4000 level  
MATH courses (including those MATH courses listed above).

**Electives to bring total to..... 124**

It is strongly recommended that PHY 1114 General Physics I and Lab be taken in the general education core.

Minimum Grade Requirements

1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses...2.50
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

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.**