

## Transfer Agreement

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

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

### UCO

General Education requirements  
 MATH 2103 Discrete Math  
 MATH 1914 Differential and Integral Calculus I and  
 MATH 2924 Differential and Integral Calculus II and  
 MATH 2934 Differential and Integral Calculus III  
  
 MATH 2853 Intro. to Statistics for Engineering and  
 Science  
 MATH 2173 Intro to Ordinary Differential Equations

University Core completed with A.A or A.S.  
 MATH 2123 Survey of Discrete for Math Ed.  
 MATH 2313 Calculus 1 and  
 MATH 2323 Calculus 2 and  
 MATH 2333 Calculus 3 and  
 MATH 2343 Calculus 4  
 STAT 2113 Statistical Methods  
  
 MATH 3103 Differential Equations

**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.**

**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 Education.....20-21**

**Required courses ..... 18**

- MATH 2743 Technology and Mathematics Education
- MATH 3113 Foundations of Advanced Mathematics
- MATH 3123 College Geometry
- MATH 3143 Linear Algebra
- MATH 3163 Elementary Number Theory **OR**
- MATH 3183 Introduction to Modern Algebra
- MATH 4483 History of Mathematics

**Mathematics Electives .....2-3**

Select at least two of the following:

MATH	2023	Foundations of Geometry and Measurement
MATH	3163	Elementary Number Theory
MATH	3183	Introduction to Modern Algebra
MATH	4143	Introduction to Analysis 1
MATH	4960	Institute in Mathematics (2 hours)
STAT	4113	Mathematical Statistics 1

**Professional Education ..... 32**

PTE	1010	Introduction to Teacher Education
PTE	3023	Foundations of American Education/Clinical Exp
PTE	3153	Adolescent Psychology
SPED	4123	Teaching Individuals with Disabilities
MATH	3323	Teaching Middle School Math
^MATH	4843	Teaching Secondary Mathematics
^PTE	4172	Educational Assessment
^PTE	4533	Contemporary Learning Sciences
^#PTE	4811	Contemporary Issues
^#PTE	4838	Internship/Student Teaching Secondary
^#PTE	4853	Classroom Management & Instruction

^ Admission to Teacher Education required  
#To be taken the same semester

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

It is strongly recommended PHY 1114 General Physics I and Lab be taken in the general education core. Students planning to do graduate work should take MATH 3183 Introduction to Modern Algebra and MATH 4143 Introduction to Analysis 1.

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major) ...C”
4. Proficiency in foreign language ..... Novice 4 level

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.**