

## Transfer Agreement

Oklahoma City Community College: AS - Mathematics-General Emphasis  
And  
University of Central Oklahoma: BS - Actuarial 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 AA or AS that do not apply to the general education at OCCC or the UCO major transfer to UCO as electives.**

### OCCC

- General Education requirements
- \*MATH 2104 Calculus and Analytic Geometry I
- MATH 2214 Calculus and Analytic Geometry II
- MATH 2314 Calculus and Analytic Geometry III
- ^MATH 1533 Pre-Calculus
- ^MATH 1613 Trigonometry
- MATH 2013 Introduction to Statistics
- ECON 2123 Principles of Microeconomics
- ECON 2143 Principles of Macroeconomics

### UCO

- University Core completed with AA or AS
- MATH 2313, 2323, 2333, and 2343 Calculus 1 through Calculus 4
- ^1533 Algebra for STEM (sub)
- ^MATH 1593 Plane Trig.
- STAT 2113 Statistical Methods
- ECON 2103 Principles of Microeconomics
- ECON 2203 Principles of Macroeconomics

\* In General Education Courses section of degree at OCCC

^(If needed) UCO lists the following prerequisites in program: MATH 1533 Algebra for STEM OR Placement Score and MATH 1593 Plane Trigonometry OR Placement Score.

**This degree requires additional course work, including the general education, as stated in the OCCC Catalog. Other OCCC 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 Oklahoma City Community College.....61-64**

**To be taken at the University of Central Oklahoma.....60-63**

Actuarial Science.....	45
Mathematics Core.....	6
Required courses:	
MATH 2753 Technology for Professional Math and Statistics	
MATH 3143 Linear Algebra	

Actuarial Core..... 12

Required courses:

- # MATH 3133 Theory of Interest 1
- # MATH 4133 Theory of Interest 2
- # MATH 4223 Mathematics of Life Contingencies 1
- # MATH 4233 Mathematics of Life Contingencies 2

Statistics Core..... 12

Required courses:

- STAT 4103 Applied Experimental Design OR
- STAT 4313 Nonparametric Statistics
- # STAT 4113 Mathematical Statistics 1
- # STAT 4123 Mathematical Statistics 2
- \* STAT 4213 Applied Regression Analysis

Finance and Insurance Electives..... 9

Select from the following:

- FIN 3523 Foundations of Insurance and Risk Management
- FIN 3553 Property and Liability Insurance for the Firm
- \* FIN 3563 Fundamentals of Business Finance
- FIN 3613 Life and Health Insurance
- \* FIN 4253 Intermediate Business Finance
- FIN 4213 Investments

Area of Application..... 6

Select from the following:

- MATH 3103 Differential Equations
- MATH 4113 Operations Research 1
- MATH 4123 Operations Research 2
- MATH 4263 Numerical Linear Algebra
- MATH 4363 Applied Numerical Analysis
- MATH 4950 Internship (3 hours)

\* These courses are accredited by the Society of Actuaries to earn Validation by Educational Experience (VEE) credits.

# These courses will help prepare students for the professional examinations administered by the Society of Actuaries. See the Director of Actuarial Studies in MCS 108 for more details.

Electives to bring total to.....124

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

Specific major degree requirements can be found in the UCO Undergraduate Catalog on the UCO website. **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.**