

## Transfer Agreement

Oklahoma City Community College: Associate in Science - Chemistry  
And

University of Central Oklahoma: Bachelor of Science – Chemistry - ACS Certification

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

Students in this program are encouraged to complete the first two courses in high school. If not, they should be taken at OCCC.

**MATH 1533 Pre-Calculus**

MATH 1613 Trigonometry

CHEM 1115 General Chemistry I

CHEM 1215 General Chemistry II

CHEM 2114 Organic Chemistry I and

**CHEM 2111 Organic Chemistry I Laboratory**

CHEM 2124 Organic Chemistry II and

**CHEM 2121 Organic Chemistry II Laboratory**

### UCO

University Core completed with AA or AS

**MATH 1533 Precalculus-Algebra**

MATH 1593 Plane Trigonometry

CHEM 1103 General Chemistry I and 1112 Lab

CHEM 1223 General Chemistry II and 1232 Lab

CHEM 3303 Organic Chemistry I and

**CHEM 3312 Organic Chemistry I Lab**

CHEM 3323 Organic Chemistry II and

**CHEM 3332 Organic Chemistry II Lab**

**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 the Online Transfer Guides.**

**Total at Oklahoma City Community College.....61-64**

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

**(May be taken at OCCC.) This signifies that a UCO course requirement can be met with the equivalent OCCC course (found on the UCO website). To take this course at OCCC, 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, so exceeding 64 credit hours at the community college means the student will exceed the minimum of 124 credit hour total. A minimum of 40 hours of 3/4000 level courses are required for the baccalaureate. Courses from community colleges are 1/2000 level.**

## Major Requirements

Chemistry.....54

Common Core.....27

## Required courses:

CHEM	2104	Quantitative Analysis and Lab
CHEM	2621	Professionalism in Chemistry I
CHEM	3454	Fundamentals of Instrumental Analysis and Lab
CHEM	3621	Professionalism in Chemistry II
MATH	2313	Calculus 1 ( <b>May be taken at OCCC.</b> )
MATH	2323	Calculus 2 ( <b>May be taken at OCCC.</b> )
MATH	2333	Calculus 3 ( <b>May be taken at OCCC.</b> )
PHY	2014	Physics for Science and Engineering I and Lab ( <b>May be taken at OCCC.</b> )
PHY	2114	Physics for Science and Engineering II and Lab ( <b>May be taken at OCCC.</b> )

Advanced Chemistry ACS approved .....27

## Required courses:.....22

CHEM	3403	Biochemistry I
CHEM	3503	Physical Chemistry I
CHEM	3513	Physical Chemistry II
CHEM	3602	Experimental Physical Chemistry
CHEM	4502	Directed Research and Lab (Taken twice)
CHEM	4603	Advanced Organic Chemistry
CHEM	4654	Inorganic Chemistry and Lab

Elective Chemistry (3000/4000 level) ..... 5  
(CHEM 3203 will not apply.)**Electives to bring total to.....124**

## The following are highly recommended:

CHEM	4454	Advanced Instrumental Analysis and Lab
ENG	4023	Technical Writing
MATH	2343	Calculus 4
PHY	3103	Modern Physics

## Minimum Grade Requirements

1. Average in (a) all college course work, and (b) course work at UCO.....2.25
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.**