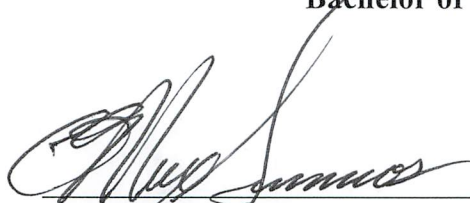



**Transfer Agreement
Between
Oklahoma City Community College
And
University of Central Oklahoma**

Effective Academic Year: 2019-2020

**Associate in Science - Chemistry
And
Bachelor of Science - Chemistry
Bachelor of Science - Chemistry-ACS Certificate
Bachelor of Science - Chemistry-Health Sciences**



Dr. Max Simmons, Dean
Science, Engineering, and Mathematics



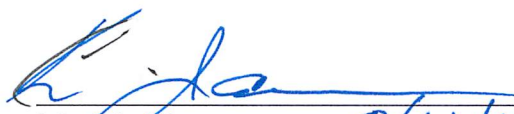
Dr. Luis Montes, Chair
Department of Chemistry

8/22/19


Date

07/29/2019


Date



Ms. Kim Jameson 8/22/19
Associate Vice President for Academic Affairs



Dr. Wei Chen, Dean
College of Mathematics and Science



Mr. Greg Gardner
Vice President for Academic Affairs



Dr. John Barthell, Provost
Vice President for Academic Affairs

8/27/2019

Date

7-31-19

Date

10/10/10
10/10/10
10/10/10

10/10/10

10/10/10
10/10/10

Transfer Agreement

Oklahoma City Community College: Associate in Science - Chemistry
And
University of Central Oklahoma: Bachelor of Science - Chemistry

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.

Chemistry.....48

Common Core27

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 (**May be taken at OCCC.**)
- MATH 2323 Calculus 2 (**May be taken at OCCC.**)
- MATH 2333 Calculus 3 (**May be taken at OCCC.**)
- PHY 2014 Physics for Science and Engineering I and Lab (**May be taken at OCCC.**)
- PHY 2114 Physics for Science and Engineering II and Lab (**May be taken at OCCC.**)

Advanced Chemistry21

Required courses: 12

- CHEM 3503 Physical Chemistry I
- CHEM 3513 Physical Chemistry II
- CHEM 3602 Experimental Physical Chemistry
- CHEM 4502 Directed Research and Lab (taken twice)

Chemistry Electives..... 9
(3000/4000 level; CHEM 3013 and 3203 will not apply)

Electives to bring total to..... 124

The following are highly recommended:

- CHEM 3403 Biochemistry I
- CHEM 4454 Advanced Instrumental Analysis and Lab
- ENG 4023 Technical Writing
- MATH 2343 Calculus 4
- PHY 3103 Modern Physics

Electives to bring total to.....124

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 course work

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.

Transfer Agreement

Oklahoma City Community College: Associate in Science - Chemistry
And

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

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OCCC

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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.

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Major Requirements

Chemistry.....54

Common Core27

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 (May be taken at OCCC.)
MATH	2323	Calculus 2 (May be taken at OCCC.)
MATH	2333	Calculus 3 (May be taken at OCCC.)
PHY	2014	Physics for Science and Engineering I and Lab (May be taken at OCCC.)
PHY	2114	Physics for Science and Engineering II and Lab (May be taken at OCCC.)

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

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Transfer Agreement

Oklahoma City Community College: Associate in Science - Chemistry
And

University of Central Oklahoma: Bachelor of Science - Chemistry - Health Sciences

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CHEM 1115 General Chemistry I

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CHEM 2111 Organic Chemistry I Laboratory

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UCO

University Core completed with AA or AS

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Major Requirements

Chemistry-Health Sciences.....56

Common Core36

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
BIO	1204	Biology for Majors: Principles (May be taken at OCCC.)
BIO	1225	Biology for Majors: Diversity
BIO	2203	Cell Biology (May be taken at OCCC.)
MATH	2153	Bio-Calculus
PHY	1114	General Physics I and Lab (May be taken at OCCC.)
PHY	1214	General Physics II and Lab (May be taken at OCCC.)
STAT	2103	Intro Statistics for Sciences

Advanced Course work20

Required courses: 14

BIO	3054	Microbiology for Majors and Lab
CHEM	3203	Introductory Physical Chemistry
CHEM	3403	Biochemistry I
CHEM	3442	Experimental Biochemistry
CHEM	4892	Capstone for Chemistry

Elective Chemistry (3000/4000 level) 6

Electives to bring total to.....124

Minimum Grade Requirements

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