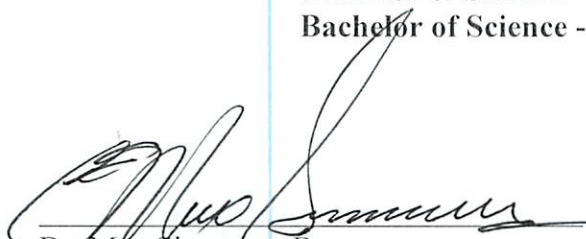



Transfer Agreement
Between
Oklahoma City Community College
And
University of Central Oklahoma

Effective Academic Year: 2018-2019

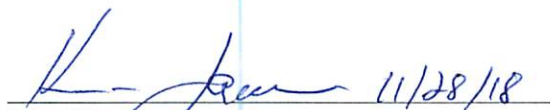
Associate in Science - Chemistry
And
Bachelor of Science - Chemistry
Bachelor of Science - Chemistry-ACS Certificate
Bachelor of Science - Chemistry-Health Sciences



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

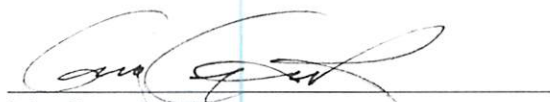

Dr. Luis Montes, Chair
Department of Chemistry

11/28/18
Date

11/7/18
Date


Ms. Kim Jameson
Associate Vice President for Academic Affairs

 Nov. 12, 2018
Dr. Wei Chen, Dean
College of Mathematics and Science


Mr. Greg Gardner
Vice President for Academic Affairs

 AVP
Dr. John Barthell, Provost
Vice President for Academic Affairs

11/29/2018
Date

11-17-18
Date

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 2124 Organic Chemistry II **and**

CHEM 2122 Organic Chemistry Laboratory

UCO

University Core completed with AA or AS

MATH 1533 Algebra for STEM

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

CHEM 3323 Organic Chemistry II

CHEM 3312 Organic Chemistry I Lab (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

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 2124 Organic Chemistry II **and**

CHEM 2122 Organic Chemistry Laboratory

UCO

University Core completed with AA or AS

MATH 1533 Algebra for STEM

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

CHEM 3323 Organic Chemistry II

CHEM 3312 Organic Chemistry I Lab (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

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 1513 College Algebra OR

MATH 1533 Pre-Calculus

MATH 1613 Trigonometry

CHEM 1115 General Chemistry I

CHEM 1215 General Chemistry II

CHEM 2114 Organic Chemistry I **and**

CHEM 2124 Organic Chemistry II **and**

CHEM 2122 Organic Chemistry Laboratory

UCO

University Core completed with AA or AS

MATH 1513 College Algebra OR

MATH 1533 Algebra for STEM

MATH 1593 Plane Trigonometry

CHEM 1103 General Chemistry I and 1112 Lab

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CHEM 3303 Organic Chemistry I

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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

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