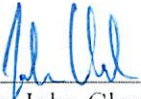


Transfer Agreement
Between
Oklahoma City Community College
And
University of Central Oklahoma
Effective Academic Year: 2018-2019

Associate in Science Degree - Computer Science

And

Bachelor of Science in Computer Science - Computer Science
Bachelor of Science in Computer Science-Applied
Bachelor of Science in Computer Science-Information Science



Mr. John Claybon, Dean
Business and Information Technology

11/19/18

Date




Ms. Kim Jameson
Associate Vice President for Academic Affairs



Mr. Greg Gardner
Vice President for Academic Affairs

11/20/2018

Date



Dr. Gang Qian, Chair
Department of Computer Science

11/7/18

Date



Dr. Wei Chen, Dean
College of Mathematics and Science

Nov. 12, 2018



Dr. John Barthell, Provost
Vice President for Academic Affairs

, AVP

11-17-18

Date

Transfer Agreement

Oklahoma City Community College: AS - Computer Science
And
University of Central Oklahoma: BS - Computer 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
- ^CS 1143 Beginning Programming
- ^MATH 1533 Pre-Calculus
- ^MATH 1613 Trigonometry
- CS 2163 JAVA
- CS 2363 C++
- MATH 2104 Calculus and Analytic Geometry I
- MATH 2214 Calculus and Analytic Geometry II
- MATH 2314 Calculus and Analytic Geometry III
- CHEM 1115 General Chemistry I **OR**
- PHYS 1114 College Physics I **OR**
- PHYS 2014 Engineering Physics I

UCO

- University Core completed with AA or AS
- ^CMSC 1513 Beginning Programming
- ^MATH 1533 Algebra for STEM
- ^MATH 1593 Plane Trigonometry
- CMSC 1613 Programming I
- CMSC 2613 Programming II
- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- CHEM 1103 General Chem I and CHEM 1112 **OR**
- PHY 1114 General Physics I and Laboratory **OR**
- PHY 2014 Physics for Science & Engineering I
And Lab

^UCO lists the following for this program: Students majoring in Computer Science are encouraged to complete the following courses in high school: Advanced Placement High School Programming Course **OR** CMSC 1513 Beginning Programming. 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 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

Computer Science	60
Required.....	44
^ CMSC 1621	Programming I Laboratory
^ CMSC 2123	Discrete Structures
^ CMSC 2833	Computer Organization I
^ SE 3103	Object Oriented Software Design and Construction
^ CMSC 3613	Data Structures and Algorithms
^ CMSC 3833	Computer Organization II
^ CMSC 4003	Applications of Database Management Systems
^ CMSC 4023	Programming Languages OR
^CMSC 4173	Translator Design
^ CMSC 4153	Operating Systems
^ CMSC 4273	Theory of Computing
^ SE 4283	Software Engineering I
^ CMSC 4323	Computer and Network Security
^ CMSC 4401	Ethics in Computing
^* CMSC 4513	Software Design and Development
^ MATH 3143	Linear Algebra
^ STAT 2113	Statistical Methods OR (May be taken at OCCC.)
^ STAT 2103	Introduction to Statistics for Sciences OR
^ STAT 4113	Mathematical Statistics I

^ A grade of 'C' or better must be earned in all required CMSC, SE, MATH, and STAT courses.

* CMSC 4513 is recommended to be taken in the last semester prior to graduation.

Elective CMSC or SE courses.....16
 (OCCC CS 2453 may be applied in this area. OCCC CS 2563, 2553, or 2463 also may be applied.)
 Select from the following:
 CMSC 2621 Programming II Laboratory
 CMSC 3621 Data Structures/Algorithms Laboratory
 Any 3/4000 level CMSC or SE courses

SE 4513 may not be used to satisfy the CMSC or SE elective requirement.

No more than four (4) hours of Internship and Individual Study combined may be used to satisfy the CMSC or SE elective requirement.

Credit cannot be received for both CMSC 3303 and SE 4283.

Electives to bring total to.....124

Minimum Grade Requirements

Average in (a) all college course work, (b) course work at UCO, and (c) major courses.....2.00

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: AS - Computer Science
And
University of Central Oklahoma: BS - Computer Science – Applied

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
- ^CS 1143 Beginning Programming
- ^MATH 1533 Pre-calculus
- ^MATH 1613 Trigonometry
- MATH 2104 Calculus and Analytic Geometry I
- MATH 2214 Calculus and Analytic Geometry II
- CS 2163 JAVA
- CS 2453 Visual Basic
- CS 2363 C++

UCO

- University Core completed with AA or AS
- ^CMSC 1513 Beginning Programming
- ^MATH 1533 Algebra for STEM
- ^MATH 1593 Plane Trigonometry
- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- CMSC 1613 Programming I
- CMSC 2413 Visual Programming
- CMSC 2613 Programming II

^UCO lists the following for this program: Students majoring in Computer Science-Applied are encouraged to complete the following courses in high school: Advanced Placement High School Programming Course **OR** CMSC 1513 Beginning Programming. 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 the Online Transfer Guides.

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

To be taken at the University of Central Oklahoma.....62-63

(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

Computer Science – Applied.....	44
Required.....	32
^ CMSC 1621	Programming I Laboratory
^ CMSC 2123	Discrete Structures
^ CMSC 2833	Computer Organization I
^ SE 3103	Object Oriented Software Design and Construction
^ CMSC 3303	Systems Analysis and Design OR
^ SE 4283	Software Engineering I
^ CMSC 3613	Data Structures and Algorithms
^ CMSC 4003	Applications of Database Management Systems
^ CMSC 4023	Programming Languages OR
^CMSC 4173	Translator Design
^ CMSC 4153	Operating Systems
^ CMSC 4401	Ethics in Computing
^*CMSC 4513	Software Design and Development
^ STAT 2113	Statistical Methods OR (May be taken at OCCC.)
^ STAT 2103	Introduction to Statistics for Sciences OR
^ STAT 4113	Mathematical Statistics I

^ A grade of 'C' or better must be earned in all required CMSC, SE, MATH, and STAT courses.

* CMSC 4513 is recommended to be taken in the last semester prior to graduation.

Elective CMSC or SE courses.....	12
Any 3/4000 level CMSC or SE courses except SE 4513	
Any programming labs (CMSC 2621 and 3621)	

No more than three (3) hours of Internship and Individual Study combined may be used to satisfy the CMSC or SE elective requirement.

Credit cannot be received for both CMSC 3303 and SE 4283.

Applied Area of Study.....18

Minor

The student will complete a minor; if the student is completing a second Bachelor's degree, the first degree's major will satisfy the requirements for the minor.

OR

Second Major

The student will complete a second major.

OR

Associate degree or comparable concentration in an information technology-related discipline transferred from a regionally accredited two- or four-year college or international equivalent with the approval of the Computer Science Department.

If less than 18 hours are transferred under this category, the student should take 2/3/4000 level CMSC electives to make up the difference. A student may take additional CMSC 3/4000 electives to bring the total hours of upper-division courses to 40.

Electives to bring total to.....	124
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Minimum Grade Requirements

Average in (a) all college course work, (b) course work at UCO, and (c) major courses.....	2.00
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*** A student may take additional CMSC 3/4000 courses to bring the total hours of upper-division courses to 40.**

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

For other regulations pertaining to graduation, see 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: AS - Computer Science
And

University of Central Oklahoma: BS- Computer Science – Information 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
- ^CS 1103 Introduction to Computers and Applications
- ^CS 1143 Beginning Programming
- ^MATH 1533 Pre-calculus
- ^MATH 1613 Trigonometry
- MATH 2104 Calculus and Analytic Geometry I
- MATH 2214 Calculus and Analytic Geometry II
- CS 2163 JAVA
- CS 2453 Visual Basic
- CS 2363 C++

UCO

- University Core completed with AA or AS
- ^CMSC 1053 Prof Comp App and Prob Solving
- ^CMSC 1513 Beginning Programming
- ^MATH 1533 Algebra for STEM
- ^MATH 1593 Plane Trigonometry
- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- CMSC 1613 Programming I
- CMSC 2413 Visual Programming
- CMSC 2613 Programming II

^ UCO lists the following for this program: Students majoring in Computer Science-Information Science are encouraged to complete the following courses in high school: A high school computer technology course using a word processor, spreadsheet, e-mail, browser, and search engines **OR** CMSC 1053 Professional Computer Applications and Problem Solving. Advanced Placement High School Programming Course **OR** CMSC 1513 Beginning Programming. 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 the Online Transfer Guides.

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

To be taken at the University of Central Oklahoma.....65

(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

Computer Science - Information Science.....	65
Required.....	50
^ CMSC 1621	Programming I Laboratory
^ CMSC 2123	Discrete Structures
^ CMSC 2833	Computer Organization I
^ SE 3103	Object Oriented Software Design and Construction
^ CMSC 3303	Systems Analysis and Design
^ CMSC 3413	Enterprise Programming
^ CMSC 3613	Data Structures and Algorithms
^ CMSC 4003	Applications of Database Management Systems
^ CMSC 4063	Networks
^ CMSC 4153	Operating Systems
^ CMSC 4323	Computer and Network Security
^ CMSC 4401	Ethics in Computing
^* CMSC 4513	Software Design and Development
^ STAT 2113	Statistical Methods OR (May be taken at OCCC.)
^ STAT 2103	Introduction to Statistics for Sciences OR
^ STAT 4113	Mathematical Statistics I
ACCT 2113	Accounting I (May be taken at OCCC.)
ACCT 2133	Accounting II (May be taken at OCCC.)
MGMT 3103	Principles of Management
ISOM 3263	Management Information Systems

^ A grade of 'C' or better must be earned in all required CMSC, SE, MATH, and STAT courses.

* CMSC 4513 is recommended to be taken in the last semester prior to graduation.

Elective CMSC or SE courses.....	9
Any 3/4000 level CMSC or SE courses except SE 4513	
Any programming labs (CMSC 2621 and 3621)	

No more than three (3) hours of Internship and Individual Study combined may be used to satisfy the CMSC or SE elective requirement.

Credit cannot be received for both CMSC 3303 and SE 4283.

Other areas of application.....	6
Selected from the following:	
ACCT 3113	Managerial Accounting
FIN 3563	Fundamentals of Business Finance
ISOM 3323	Business Analytics
ISOM 4063	Computer Simulation
ISOM 4283	Developing Decision Support Systems
ISOM 4363	Information Systems Management
ISOM 4513	Virtualization

Electives to bring total to.....124

Minimum Grade Requirements

Average in (a) all college course work, (b) course work at UCO, and (c) major courses.....2.00

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

*** A student may take additional CMSC 3/4000 courses to bring the total hours of upper-division courses to 40.**

For other regulations pertaining to graduation, see 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.