

Transfer Agreement  
 Oklahoma City Community College: A.S. - Computer Science  
 And  
 University of Central Oklahoma: B.S.- Computer Science – Information Science

To comply with this agreement, students must complete the associate degree with the major listed above and include the specific courses listed below.

| Oklahoma City Community College (OCCC)  | University of Central Oklahoma (UCO)   |
|---|--|
| An Associate in Science (A.S.) or Associate in Art (A.A.) degree from an accredited Oklahoma institution that includes the OSRHE minimum requirements will satisfy the UCO University Core. | <ul style="list-style-type: none"> <li>• Written and Oral Communication</li> <li>• Quantitative Reasoning/Scientific Method with Lab</li> <li>• Critical Inquiry and Aesthetic Analysis</li> <li>• American Historical and Political Analysis</li> </ul> |
| See the program requirements for the associate degree on the OCCC website.  | <ul style="list-style-type: none"> <li>• Cultural and Language Analysis</li> <li>• Social and Behavioral Analysis</li> <li>• Life Skills</li> </ul>  |
| Credited courses completed as part of the A.A. or A.S. that do not apply to the general education at OCCC or the UCO major transfer to UCO as electives.                                    |  |
| Hours required for the A.S. or A.A. degree/major at OCCC .....62-64   | Remaining hours in UCO University Core.....0   |

| OCCC  | UCO                                       |
|---|---|
| ^CS 1103 Introduction to Computers and Applications | ^CMSC 1053 Prof Comp App and Prob Solving |
| ^CS 1143 Beginning Programming                      | ^CMSC 1513 Beginning Programming          |
| ^MATH 1533 Pre-calculus                             | ^MATH 1533 Precalculus-Algebra            |
| ^MATH 1613 Trigonometry                             | ^MATH 1593 Plane Trigonometry             |
| MATH 2104 Calculus and Analytic Geometry I          | MATH 2313 Calculus 1                      |
| MATH 2214 Calculus and Analytic Geometry II         | MATH 2323 Calculus 2                      |
| CS 2163 JAVA  | CMSC 1613 Programming I                   |
| CS 2453 Visual Basic                                | CMSC 2413 Visual Programming              |
| CS 2363 C++   | 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 Precalculus-Algebra OR Placement Score AND MATH 1593 Plane Trigonometry OR Placement Score.

Total at Oklahoma City Community College.....62-64

To be taken at the University of Central Oklahoma.....62-67

(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 these courses at OCCC, students should confirm with their advisors that the course/s will fit into the associate degree without exceeding the requirements. A minimum of 60 hours must be taken at a baccalaureate granting institution. Exceeding 64 credit hours at the community college means the student will be required to take more than the minimum of 124 credit hour total. A minimum of 40 hours of 3/4000 level courses is required for the baccalaureate. Courses from community colleges are 1/2000 level.

Major Requirements

|   |  |
|---|--|
| Computer Science - Information Science..... | 67   |
| Required.....                               | 52   |
| ^ CMSC 1621                                 | Programming I Laboratory                         |
| ^ CMSC 2123                                 | Discrete Structures                              |
| ^ CMSC 2621                                 | Programming II Laboratory                        |
| ^ CMSC 2833                                 | Computer Organization and Architecture I         |
| ^ SE 3103                                   | Object Oriented Software Design and Construction |
| ^ CMSC 3303                                 | Systems Analysis and Design OR                   |
| SE 4283                                     | Software Engineering I                           |
| ^ CMSC 3413                                 | Enterprise Programming                           |
| ^ CMSC 3613                                 | Data Structures and Algorithms                   |
| ^ CMSC 3621                                 | Data Structures and Algorithms Lab               |
| ^ CMSC 4003                                 | Applications of Database Management Systems      |
| ^ CMSC 4063                                 | Computer Networks                                |
| ^ CMSC 4083                                 | Cybersecurity                                    |
| ^ CMSC 4153                                 | Operating Systems                                |
| ^ CMSC 4401                                 | Ethics in Computing                              |
| ^* CMSC 4513                                | Software Design and Development                  |
| ^ STAT 2113                                 | Statistical Methods (May be taken at OCCC.) OR   |
| ^ STAT 2103                                 | Introduction to Statistics for Sciences OR       |
| ^ STAT 4113                                 | Mathematical Statistics 1                        |
| 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

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.

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 transfer agreements. This agreement does not include all possible variations for transfer with these programs/majors. The Academic Advisors along with the information in the official catalogs at both institutions are critical to the understanding of the specifics of degree completion.