

Transfer Agreement

Seminole State College: A.S. Computer Science
and

University of Central Oklahoma: B.S. Computer Science
Major Code: 6100

Seminole State College Courses

ENG 1113 Principles of English Composition I
ENG 1213 Principles of English Composition II
GOV 1113 American National Government
HIST 1483 American History Survey to 1877 or
HIST 1493 American History Survey since 1877

4 Hours of Life Science, including lab:
(*Principles of Biology, General Biology, Zoology, Botany*)

and

4 Hours of Physical Science, including lab:
(*CHEM 1315 General Chemistry I, PHYS 2114 General Physics/lab*)

Humanities 6 hrs.

MATH 1513 College Algebra
CAP 1103 Introduction to Microsoft Office
HPER 1012 Wellness and Human Development or
HPER Activity courses 2 hrs.
SPCH 1143 Fundamentals of Speech
SOC 1101 Freshman Seminar (or SOC 1003)
Elective from Psychology, Social Sciences, World
Languages, and Fine Arts

Major Field Requirements:

CAP 2603 Advanced Microsoft Access
CS 1113 Programming in Visual Basics
CS 1183 Information Security
CS 1313 Programming in Java
CS 2013 Programming in C++

Major Field Electives and Support:

MATH 1613 Trigonometry
MATH 2215 Calculus and Analytic Geometry I
To include additional course work required for the A.S. as
stated in the SSC catalog.

Total 64 hours

UCO Requirement

ENG 1113 English Composition
ENG 1213 English Composition and Research
POL 1113 American National Government
HIST 1483 History of U.S. to 1877
HIST 1493 History of U.S. since 1877

PHY 2014 Physics for Scientists & Engineers I and
Lab (sub for this major)

MATH 1513 College Algebra
Elective

**SSC A.S. degree completes UCO
University Core**

MCOM 1113 Fundamentals of Speech

Elective
CMSC 2413 Visual Programming (Elec)
Elective
CMSC 1513 Beginning Programming
CMSC 1613 Programming I

MATH 1593 Plane Trigonometry
MATH 2313 Calculus I

Remaining University of Central Oklahoma courses:.....66

Computer Science Major.....66

Required..... 53

- ^ CMSC 2123 Discrete Structures
- ^ CMSC 2613 Programming II
- ^ CMSC 2833 Computer Organization I
- ^ CMSC 3103 Object Oriented Software Design and Construction
- ^ CMSC 3833 Computer Organization II
- ^ CMSC 3613 Data Structures and Algorithms
- ^ CMSC 4003 Applications Database Management
- ^ CMSC 4023 Programming Languages **OR**
 - ^CMSC 4173 Translator Design
- ^ CMSC 4153 Operating Systems
- ^ CMSC 4273 Theory of Computing
- ^ CMSC 4283 Software Engineering I
- ^ CMSC 4401 Ethics in Computing
- ^*CMSC 4513 Software Design and Development
- ^ MATH 2323 Calculus 2
- ^ MATH 2333 Calculus 3
- ^ MATH 3143 Linear Algebra
- STAT 2113 Statistical Methods **OR**
 - STAT 2103 Introduction to Statistics for Sciences **OR**
 - STAT 4113 Mathematical Statistics I
- PHY 2114 Physics for Scientists & Engineers II and Lab (See CS dept. chair for substitution of CHEM 1223 and 1232 OR PHY 1214 and lab OR certain MATH courses.)

^ A grade of 'C' or better must be earned in CMSC 1613, 2123, 2613, 2833, 3103, 3613, 3833, 4003, (4023 OR 4173), 4153, 4273, 4283, 4401, 4513 and MATH 2313, 2323, 2333, 3143, and STAT (2113 or 2103 or 4113).

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

Elective CMSC or SE courses..... 13

Selected from the following:

- CMSC 1621 Programming I Laboratory
- CMSC 2621 Programming II Laboratory
- CMSC 3621 Data Structures/Algorithms Laboratory
- Any 3/4000 level CMSC or SE courses

In addition to CMSC 1621, 2621 and 3621 an additional 6 hours of CMSC or SE electives may be taken at the 2000 level.

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 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

For other regulations pertaining to graduation, the 2015-2016 Undergraduate Catalog.