

Computer Science - Computer Science Emphasis Transferring to UCO and colleges with Similar Patterns

Associate in Science

Minimum of 61 Credits

This suggested curriculum includes Oklahoma City Community College degree requirements and courses generally completed during the first two years of a four-year curriculum in preparation of a career in software engineering including application development, web development, game development, robotics, data communications, computer security, telecommunications, computer networks and database management.

Course #	Course Name	Credits	Type	Prerequisites
<i>Suggested Freshman 1st Semester</i>				
SCL 1001	SUCCESS IN COLLEGE AND LIFE	1	Life Skills	None
CS 1143	(C) BEGINNING PROGRAMMING	3	Major	(R) (W) (M) or Evaluation by Instructor
ENGL 1113	ENGLISH COMPOSITION I	3	Gen Ed	(R) (W), Adequate reading and writing assessment scores or LS 0033 College Writing II, either taken within the last year, with strong encouragement for immediate continuation.
POLSC 1113	AMERICAN FEDERAL GOVERNMENT	3	Gen Ed	(R) (W)
MATH 1533	PRE-CALCULUS AND ANALYTIC GEOMETRY	3	Gen Ed	(R) (W), MATH 0123, or adequate Math Placement Test Score, either within the last year.
PHYS SC	* ANY PHYSICAL SCIENCE CHOSEN FROM ASTR, PHYS, CHEM, OR GEOL PREFIXES	3	Gen Ed	
<i>Suggested Freshman 2nd Semester</i>				
CS 2163	(C) JAVA	3	Major	(R) (W) (M), CS 1143 or Evaluation by Instructor
CS 2453	(C) VISUAL BASIC	3	Major	(R) (W) (M), CS 1143 or Evaluation by Instructor
ENGL 1213	ENGLISH COMPOSITION II	3	Gen Ed	(R) (W), ENGL 1113 English Composition I taken within the last year, with strong encouragement for immediate continuation.
HIST 1483	U.S. HISTORY TO THE CIVIL WAR --OR--		Gen Ed	(R) (W)
HIST 1493	U.S. HISTORY SINCE THE CIVIL WAR	3	Gen Ed	(R) (W)
MATH 1613	TRIGONOMETRY	3	Gen Ed	Pre or Corequisite: (R), MATH 1513 or MATH 1533 or adequate Math Placement Test Score
<i>Suggested Sophomore 1st Semester</i>				
CS 2363	(C) C++	3	Major	(R) (W) (M), CS 2163 or Evaluation by Instructor
PSY 1113	INTRODUCTION TO PSYCHOLOGY	3	Gen Ed	(R)
MATH 2104	CALCULUS AND ANALYTIC GEOMETRY I	4	Gen Ed	(R) (W), MATH 1533 and MATH 1613 or adequate Math Placement Test Score
COM 2213	INTRO TO PUBLIC SPEAKING	3	Gen Ed	(R)
HUM	HUMANITIES ELECTIVE	3	Gen Ed	
<i>Suggested Sophomore 2nd Semester</i>				
CS 2463	(C) ADVANCED JAVA --OR--		Major	(R) (W) (M), CS 2163 or Evaluation by Instructor
CS 2553	(C) ADVANCED VISUAL BASIC --OR--		Major	(R) (W) (M), CS 2453 or Evaluation by Instructor
CS 2563	(C) C#.NET	3	Major	(R) (W) (M), CS 2163 or Evaluation by Instructor
MATH 2214	CALCULUS AND ANALYTIC GEOMETRY II	4	Gen Ed	(R) (W), MATH 2104 or equivalent within the last year
BIO 1113	GENERAL BIOLOGY	4	Gen Ed	(R) (W) (M)
HUM	HUMANITIES ELECTIVE	3	Gen Ed	

*Major Courses: (15 credit hours) Computer Science: (C)CS 1143; (C)CS 2163; (C)CS 2363; (C)CS 2453; (C)CS 2463 or (C)CS 2553 or (C)CS 2563
 General Education Courses: (45 credit hours) English: ENGL 1113; ENGL 1213; History: HIST 1483 or HIST 1493; Mathematics: MATH 1533; MATH 1613; MATH 2104; MATH 2214; Political Science: POLSC 1113; Communications: COM 2213; Social Sciences: PSY 1113; *Sciences: Seven credit hours three to four credit hours of Biological Science chosen from BIO 1113, BIO 1114, BIO 2114, BIO 2125; BIO 2215, BIO 2343, or BIO 2404; three to four hours of any Physical Science chosen from ASTR; PHYS; CHEM; or GEOL prefixes in at least one science course must include a laboratory component Note: PHYS 2014 is recommended for students pursuing UCO's Computer Science- Computer Science degree option; Humanities: Six credit hours of Humanities electives
 Life Skills Courses: (1 credit hour) Life Skills: SCL 1001*

Notes: This program is designed for students planning to continue their education at a four-year college or university.

(C) A grade of "C" or higher must be achieved.

** At least one science course must include a laboratory component*