

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

Associate in Science

Minimum of 62 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 2104	CALCULUS AND ANALYTIC GEOMETRY I	4	Gen Ed	(R) (W), MATH 1533 and MATH 1613 or adequate Math Placement Test Score
PSY 1113	INTRODUCTION TO PSYCHOLOGY	3	Gen Ed	(R)
<i>Suggested Freshman 2nd Semester</i>				
CS 2163	(C) JAVA	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.
MATH 2214	CALCULUS AND ANALYTIC GEOMETRY II	4	Gen Ed	(R) (W), MATH 2104 or equivalent within the last year
CHEM 1115	GENERAL CHEMISTRY I	5	Gen Ed	(R) (W), MATH 1513 or MATH 1533 or both MATH 0123 and High School Chemistry or CHEM 0123 or CHEM 1123
<i>Suggested Sophomore 1st Semester</i>				
CS 2463	(C) ADVANCED JAVA	3	Major	(R) (W) (M), CS 2163 or Evaluation by Instructor
MATH 2314	CALCULUS AND ANALYTIC GEOMETRY III	4	Gen Ed	(R) (W), MATH 2214 or equivalent within the last year
PHYS 2014	ENGINEERING PHYSICS I	4	Gen Ed	(R) (W), MATH 2104 (or at least 4 hours of calculus) within the last year or Evaluation by Instructor Prerequisite or Corequisite: MATH 2214
HUM	(H) HUMANITIES ELECTIVE	3	Gen Ed	
<i>Suggested Sophomore 2nd Semester</i>				
CS 2363	(C) C++	3	Major	(R) (W) (M), CS 2163 or Evaluation by Instructor
BUS 2033	BUSINESS COMMUNICATION --OR--		Gen Ed	(R) (W), ENGL 1113 or by Instructor**
COM 2213	INTRO TO PUBLIC SPEAKING	3	Gen Ed	(R)
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)
PHYS 2114	ENGINEERING PHYSICS II	4	Gen Ed	(R) (W), PHYS 2014 and MATH 2214 (or at least 8 hours of calculus) within the last year or Evaluation by Instructor Prerequisite or Corequisite: MATH 2314
HUM	(H) HUMANITIES ELECTIVE	3	Gen Ed	

Major Courses: (12 credit hours) Computer Science: (C)CS 1143; (C)CS 2163; (C)CS 2363; (C)CS 2463

General Education Courses: (49 credit hours) English: ENGL 1113; ENGL 1213; History: HIST 1483 or HIST 1493; Mathematics: MATH 2104; MATH 2214; MATH 2314; Political Science: POLSC 1113;

Communications: BUS 2033 or COM 2213; Social Sciences: PSY 1113; Chemistry: CHEM 1115; Physics: PHYS 2014; PHYS 2114; (H) Humanities: Six credit hours of faculty advisor approved elective from artistic forms and non-western civilization

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.

(H) Select appropriate to the students transfer institution. Faculty advisor can help with this.