

REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN COMPUTER SCIENCE
INFORMATION FOR TRANSFERRING STUDENTS FROM TULSA COMMUNITY COLLEGE
GALLOGLY COLLEGE OF ENGINEERING
THE UNIVERSITY OF OKLAHOMA

Academic Year
For Students Entering the Oklahoma State System for Higher Education Summer 2020 through Spring 2021

General Requirements
Minimum Total Credit Hours 120-121
Minimum Retention/Graduation Grade Point Averages:
Overall - Combined and OU 2.00
Major - Combined and OU 2.00

Program
Computer Science
B235
Bachelor of Science in Computer Science

OU encourages students to complete at least 30 hours of applicable coursework each year to have the opportunity to graduate in 4 years.

Accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org>

In order to progress in your curriculum in the Gallogly College of Engineering, and as a specific graduation requirement, a grade of C or better is required in each course in the curriculum, including all prerequisite courses.

Two college-level courses in a single foreign language are required; this may be satisfied by successful completion of 2 years in a single foreign language in high school. Students who must take foreign language at the University will have an additional 6-10 hours of coursework.

1 ST SEMESTER AT TULSA COMMUNITY COLLEGE (TCC)					
OU REQUIREMENT			TCC EQUIVALENT		
ENGL	1113	Principles of English Composition (Core I)	ENGL	1113	Composition I (Core I)
MATH	1914	Differential and Integral Calculus I (Core I)	MATH	2114	Analytic Geometry & Calculus I
CS	1324	Intro. to Computer Programming for Non-Programmers	CSCI	1203	Computer Concepts and Applications and
			CSYS	1203	Intro to Computer Programming (6 hours total)
HIST	1483	United States, 1492 to 1865 (Core IV) or	HIST	1483	US History 1492 to Civil War or
HIST	1493	United States 1865 to the Present	HIST	1493	US History Civil War to Present (3 hours total)
Hours	14		Hours	16	

2 ND SEMESTER AT TULSA COMMUNITY COLLEGE (TCC)					
OU REQUIREMENT			TCC EQUIVALENT		
ENGL	1213	Principles of English Composition (Core I) or	ENGL	1213	Composition II (Core I)
EXPO	1213	Expository Writing			
MATH	2924	Differential and Integral Calculus II	MATH	2124	Analytic Geometry & Calculus II
CS	2334	Programming Structures and Abstractions	CSCI	2133	Introduction to JAVA and
			CSCI	2843	C++ Programming (6 hours total)
		3 hour Approved Elective: Artistic Forms (Core IV)			3 hour-Refer to OU College of Engr Advisor
Hours	14		Hours	16	

University of Oklahoma SUMMER applications open August 1---deadline April 1

OU Office of Admissions <http://www.ou.edu/admissions/apply/transfer>

3 RD SEMESTER AT TULSA COMMUNITY COLLEGE (TCC)					
OU REQUIREMENT			TCC EQUIVALENT		
		3 hour Approved Elective: Social Science (Core III)			3 hour-Refer to OU College of Engr Advisor
MATH	2934	Differential and Integral Calculus III	MATH	2134	Analytic Geometry & Calculus III
PSC	1113	American Federal Government (Core III)	POLS	1113	American Federal Government (Core III)
		3 hour Approved Elective: Natural Science (Core II)			3 hour Natural Science-refer to OU Advisor
Hours	13		Hours	13	

4 TH SEMESTER AT TULSA COMMUNITY COLLEGE (TCC)					
OU REQUIREMENT			TCC EQUIVALENT		
	XXXX	3 hour Approved Elective: Western Culture (Core IV)			3 hour-Refer to OU College of Engr Advisor
MATH	3113	Introduction to Ordinary Differential Equations	MATH	2613	Elementary Ordinary Differential Equations
PHYS	2514	General Physics for Engr & Science Majors (Core II)	PHYS	2034	Engineering Physics I (with Lab)
PHYS	1311	General Physics Lab I			Included in PHYS 2034 course
		Open Elective to meet 120 total degree hours			Open Elective to meet 120 total degree hours
Hours	14+		Hours	14	

Note: Per the University of Oklahoma, School of Computer Science:

The content from CS 1324 and CS 2334 at the University of Oklahoma met with CSCI 1203, CSYS 1203, CSCI 2133, and CSCI 2843 from Tulsa Community College

Summer Before 3 rd Year at OU: OU Requirement		
CS	2413	Data Structures
CS	2813	Discrete Structures
Hours	3	

3 rd YEAR AT OU					
FALL			SPRING		
CS	3203	Software Requirements and Specifications	MATH	3333	Linear Algebra
CS	3823	Theory of Computation	CS	3113	Operating Systems
ENGR	3511	Transfer Engineering Orientation	CS		3 hour Approved CS Elective, or MATH 4073 Numerical Analysis (3 hours total)
ENGR	2002	Professional Development	MATH	4753	Applied Statistical Methods, or
			ISE	3293	Applied Engineering Statistics, or
			MATH	4743	Intro. to Mathematical Statistics
CS	2614	Computer Organization	CS	3323	Principles of Programming Languages
MATH	3XXX	MATH 3000-level or above and acceptable credit for MATH majors, or complete a Minor MATH 2613 can be taken at TCC that is equivalent to MATH 3113 here at OU (if Not taken at TCC)			
Hours	13+		Hours	15	

4 th YEAR AT OU					
FALL			SPRING		
CS		3 hour Approved CS Elective	CS	4273	Software Engineering II
CS	4263	Software Engineering I	CS	4473	Parallel, Distributed, and Network Programming
CS	4413	Algorithm Analysis	CS		3 hour Approved CS Elective
CS	4173	Computer Security			3 hour Approved Elective 3000-4000 level Non-Western Culture (Core IV)
CS	4513	Database Management Systems			
Hours	15		Hours	12	

This BS in Computer Science Plan is unofficial and must be reviewed each semester by a University of Oklahoma-Gallogly College of Engineering Advisor in order to make certain that a 2+2 completion from Tulsa Community College to the University of Oklahoma is possible