



**Associate in Science in Computer Information Systems (TCC) to
Bachelor of Science in Applied Computer Programming (OSU)**

Available in Stillwater, Tulsa and Online

Tulsa Community College (years 1 and 2) – 2025-26

Year One – Tulsa Community College

Fall

TCC Equivalent or Substitute	OSU Requirement	✓
ENGL 1113 – Composition I	ENGL 1113	
CSYS 1203 – Introduction to Computer Programming	CS 1103 (Q)	
General Ed Recommended Elective (3 credit hours)	(Q H N S D G or F) Additional General Education	
#MATH 1715 – Precalculus I & II	MATH 1715 (Q)	
Semester Credit Hours at TCC: 14		

Spring

TCC Equivalent or Substitute	OSU Requirement	✓
ENGL 1213 – Composition II	ENGL 1213	
HIST 1483 – Am Hist 1492 - Civil War or HIST 1493 – Am Hist Civil War - now	HIST 1483 (H) or HIST 1493 (DH)	
Humanities (3 credit hours)	(H) Humanities	
CSCI 2473 – C Language	CS 1113 (Q)*	
MATH 2114 – Calculus I	MATH 2144 (Q)*	
Semester Credit Hours at TCC: 16		

Year Two- Tulsa Community College

Fall

TCC Equivalent or Substitute	OSU Requirement	✓
COMM 1113 – Public Speaking Gen Ed Required Elective	SPCH 2713 (S)	
Non-Lab Science (3 credit hours)	(N) Science	
POLS 1113 – American Federal Government	POLS 1113	
MATH 2193 – Elementary Statistics	STAT 2013 (Q)	
CSCI 2843 – C++ Programming	CS 2433	
Semester Credit Hours at TCC: 15		

Spring

TCC Equivalent or Substitute	OSU Requirement	✓
Lab Science (4 credit hours)	(L, N) Lab Science	
Humanities (3 credit hours)	(H) Humanities	
General Ed Recommended Elective (2 credit hour)	(Q H N S D G or F) Additional General Education	
Any CIS course – OSU recommends CSCI 2133 – Intro to JAVA	MSIS 2--- OSU Elective	
CSCI 2683 – Data Structures	CS 2133*	
Semester Credit Hours at TCC: 15		

#Additional preparatory course work may be required if students do not meet a minimum placement score on a secondary placement test. In this case, the total credit hours required to complete the degree may exceed 120.

Before transferring to OSU, have the TCC Registrar send an official transcript to the OSU Admissions Office with any degrees earned noted on the transcript. If you have not completed the requirements for an associate degree, talk with your OSU Academic Advisor about Reverse Transfer options to use OSU coursework to complete your TCC associate degree.



COLLEGE OF
ARTS AND SCIENCES

Oklahoma State University (years 3 and 4) – 2025-26

Year Three – Oklahoma State University

Fall

OSU Requirement	✓
CS 3443 Computer Systems	✓
CS 3653 Discrete Math	✓
Upper-Division Related (3 credit hours)	✓
ENGL 3323 Technical Writing BCOM 3113 Written Communication BCOM 3223 Oral Communication or SPCH 3723 Business and Professional Communication	✓
Upper-Division Arts & Humanities with (G) Global Designation (3 credit hours)	✓
Semester Credit Hours at OSU: 15	

Spring

OSU Requirement	✓
CS 3363 Organization of Programming Languages	✓
CS 4433 Introduction to Database Systems or MSIS 3333 Database Systems Development	✓
Upper-Division CS Elective (3 credit hours)	✓
Upper-Division General Education with (D) Diversity Designation (3 credit hours)	✓
Upper-Division Related (3 credit hours)	✓
Semester Credit Hours at OSU: 15	

Year Four – Oklahoma State University

Fall

OSU Requirement	✓
CS 3353 Data Structures and Algorithm Analysis	✓
CS 4273 Software Engineering	✓
CS 4243 Intro to Computer Security	✓
Upper-Division CS Elective (3 credit hours)	✓
General Elective (3 credit hours)	✓
Semester Credit Hours at OSU: 15	

Spring

OSU Requirement	✓
CS 4153 Mobile Applications Development	✓
CS 4883 Social Issues in Computing	✓
CS 4983 Senior Capstone Project	✓
Upper-Division Related (3 credit hours)	✓
General Elective (3 credit hours)	✓
Semester Credit Hours at OSU: 15	

*Courses also meet College and Departmental Requirements and cannot be waived with an Associate's degree.

Important Note: The foreign language requirement for the B.S., B.M. and B.F.A. may be satisfied by presenting a high school transcript which demonstrates two years of study of a single foreign language (passing grades at second-year level of study). It may also be satisfied by 6 hours college credit in the same language, which must include language courses 1713 and 1813, or equivalent proficiency (e.g., passing an advanced standing examination; TOEFL exam; presenting a high school transcript which demonstrates the high school was primarily conducted in a language other than English; etc.). Computer Science courses may not be used to satisfy this requirement.

