Associate of Science in Computer Information Systems (TCC) to Bachelor of Science in Computer Science (OU-Tulsa)
Gallogly College of Engineering

Total Credit Hours at TCC (61*) + Total Credit Hours at OU-Tulsa (61) = 122 Credit Hours
*While this program at OU only requires 60 credit hours from TCC, TCC requires 61 credit hours to meet its A.S. plan.
Catalog Year: 2020-2021
Modalities Available (On-Campus, Online, Blended): On-Campus
Campus Location: OU-Tulsa, 4502 E 41st St, Tulsa, OK 74135
Note to Students: The following is an 9-semester map provided to guide students as they plan their undergraduate education. This university transfer map is based on a full-time academic load of 30 credit hours per year, but can be adjusted to fit a part-time schedule. Please note this is not an official degree plan, but a guide. Work with your academic advisor to develop a personalized degree plan based on this university transfer map.

YEAR ONE – TULSA COMMUNITY COLLEGE			
Semester One		**Semester Two**	
TCC Course and OU-Tulsa Equivalent Course	**Hrs.**	**TCC Course and OU-Tulsa Equivalent Course**	**Hrs.**
ENGL 1113 Composition I *OU- Equivalent: ENGL 1113 Principles of English Composition (Core I)*	3	ENGL 1213 Composition II *OU Equivalents: ENGL 1213 Principles of English Composition or EXPO 1213 Expository Writing*	3
▪MATH 2114 Analytic Geometry & Calculus I *OU Equivalent: MATH 1914 Differential and Integral Calculus I (Core I)*	4	MATH 2124 Analytic Geometry & Calculus II *OU-Equivalent: MATH 2924 Differential and Integral Calculus II*	4
CSYS 1203 Intro to Computer Programming **OU Equivalent: CS 1324 Intro. to Computer Programming for Non-Programmers*	3	POLS 1113 American Federal Government *OU Equivalent: POLS 1113 American Federal Government*	3
HIST 1483 US History 1492 to Civil War **or** HIST 1493 US History Civil War to Present *OU Equivalents: HIST 1483 United States, 1492 to 1865 (Core IV) or HIST 1493 United States 1865 to the Present*	3	Any Humanities Course ***OU Equivalent: Approved Elective- Western Culture (Core IV)*	3
CSCI 1203 Computer Concepts and Applications TCC recommended elective **OU Equivalent: Open Elective to meet 120 total degree hours*	3	~CSCI 2473 'C' Language **OU Equivalent: CS 1324 Intro. to Computer Programming for Non-Programmers*	3
Semester Credit Hours at TCC:	**16**	**Semester Credit Hours at TCC:**	**16**

YEAR TWO – TULSA COMMUNITY COLLEGE			
Semester Three		**Semester Four**	
TCC Course and OU-Tulsa Equivalent Course	**Hrs.**	**TCC Course and OU-Tulsa Equivalent Course**	**Hrs.**
General Education Required Elective ***OU Equivalent: 3 hour Approved Elective - Social Science (Core III)*	3	Any Humanities Course ***OU Equivalent: Approved Elective: Artistic Forms (Core IV)*	**3**
MATH 2134 Analytic Geometry & Calculus III *OU Equivalent: MATH 2934 Differential & Integral Calculus III*	4	COMM 1113 Public Speaking *OU Equivalent: Open Elective to meet 120 total degree hours*	3
Non-Lab Science ***OU Equivalent: 3 hour Approved Elective - Natural Science (Core II)*	3	PHYS 2034 Engineering Physics I (with Lab) *OU Equivalent: PHYS 2514 General Physics for Engr & Science Majors (Core II)*	4
CSCI 2133 Introduction to JAVA **and** CSYS 2843 C++ Programming **OU Equivalent: CS 2334 Programming Structures & Abstractions*	3 3	CSCI 2683 Data Structures *OU Equivalent: CS 2413 Data Structures*	3
Semester Credit Hours at TCC:	**16**	**Semester Credit Hours at TCC:**	**13**

▪Students must test into MATH 2114 or complete MATH 1513 and 1613 or 1715 with a C or better.
*Per OU School of Computer Science - content from CS 1324 and CS 2334 at OU met with CSCI 1203, CSYS 1203, CSCI 2133, and CSCI 2843 from TCC.
** Finishing and Associate of Arts or an Associate of Science from TCC will waive this requirement.
~ Of the three credit hours earned from TCC's CSCI 2473 course, OU will only need to utilize two credit hours towards its degree program.

Milestones and Recommended Actions:
- **Consider Summer Courses:** Summer courses at TCC can help accelerate your time to transfer, and help you stay on track. Talk to your advisor about planning summer courses.
- **During or After Year One at TCC:** Consider a campus tour of OU-Tulsa and connect with an OU-Tulsa advisor, to ensure you are on track to transfer. Your TCC academic advisor can assist in planning these actions.
- **During Year Two at TCC:** Apply for admission at OU-Tulsa as a transfer student. University of Oklahoma SUMMER applications open August 1 – through April 1. Application available at the OU Office of Admissions http://www.ou.edu/admissions/apply/transfer.
- **Final Semester at TCC:** Congratulations you are about to earn your AS in Computer Information Systems! Be sure to apply for graduation @ https://www.tulsacc.edu/student-resources/graduation.
- **Transcripts:** submit official TCC transcript to OU-Tulsa (www.tulsacc.edu/student-resources/student-records/requesting-and-submitting-transcripts).
- **Reverse Transfer:** If you have not earned an Associate in Arts or an Associate in Science from TCC, and have completed 60 credit hours, with 15 of those hours completed at TCC, email reversetransfer@tulsacc.edu to see if you qualify for a degree through the Reverse Transfer program.

SUMMER BEFORE YEAR THREE – OU-TULSA

Summer Term	
OU-Tulsa Course	**Hrs.**
CS 2813 Discrete Structures **or** MATH 2513 Discrete Mathematical Structures	3
Semester Credit Hours at OU-Tulsa:	**3**

YEAR THREE – OU-TULSA

Semester Five (Fall)		Semester Six (Spring)	
OU-Tulsa Course	**Hrs.**	**OU-Tulsa Course**	**Hrs.**
CS 3203 Software requirements and Specifications	3	MATH 3333 Linear Algebra	3
CS 3823 Theory of Computation	3	CS 3113 Operating Systems	3
ENGR 3511 Transfer Engineering Orientation	1	CS 3323 Principles of Programming Languages	3
ENGR 2002 Professional Development	2	MATH 4753 Applied Statistical Methods, **or** ISE 3293 Applied Engineering Statistics, **or** MATH 4743 Intro. to Mathematical Statistics	3
CS 2614 Computer Organization	4	3 hour Approved CS Elective	3
MATH 3000-level or above and acceptable credit for MATH majors, or complete a Minor	3		
Semester Credit Hours at OU-Tulsa:	**16**	**Semester Credit Hours at OU-Tulsa:**	**15**

YEAR FOUR – OU-TULSA

Semester Seven (Fall)		Semester Eight (Spring)	
OU-Tulsa Course	**Hrs.**	**OU-Tulsa Course**	**Hrs.**
CS 4173 Computer Security	3	CS 4273 Software Engineering II	3
CS 4263 Software Engineering I	3	CS 4473 Parallel, Distributed, and Network Programming	3
CS 4413 Algorithm Analysis	3	3 hour Approved CS Elective	3
CS 4513 Database Management Systems	3	3 hour Approved Elective 3000-4000 level Non-Western Culture (Core IV)	3
3 hour Approved CS Elective, **or** MATH 4073 Numerical Analysis (3 hours total)	3		
Semester Credit Hours at OU-Tulsa:	**15**	**Semester Credit Hours at OU-Tulsa:**	**12**

Learn More About Programs in this Pathway:
- TCC A.S. Computer and Information Systems - www.tulsacc.edu/programs-and-courses/academic-programs/computer-information-systems
- OU-Tulsa B.S. Computer Science - www.ou.edu/coe/cs/cstulsa

UNIVERSITY TRANSFER CONTACT INFORMATION

University Transfer Office	Student Information Office
Tulsa Community College	University of Oklahoma-Tulsa
www.tulsacc.edu/transfer	www.ou.edu/tulsasooners
Contact: tcc2university@tulsacc.edu	Contact: 918.660.3318, tulsainfo@ou.edu