TCC2TU
TRANSFER MAP
TULSA COMMUNITY COLLEGE
THE UNIVERSITY of TULSA

Associate of Science in Engineering at Tulsa Community College to Bachelor of Science in Computer Engineering at the University of Tulsa

62 Credit Hours at TCC + 73 Credit Hours at TU = 135 Total Credit Hours
Transfer Map Catalog Year: 2026-2027 (Year 2 of 3)
University Campus Location: University of Tulsa, 800 S Tucker Dr, Tulsa, OK 74104
Note to Students: *UTulsa equivalencies used within this articulation agreement are only applicable with a completed Associate of Science or Associate of Arts to fulfill the University of Tulsa Core Curriculum and do not reflect current one-to-one equivalencies for single courses transferred from TCC to UTulsa. This Articulation Agreement provides a semester-by-semester guide showing how TCC courses transfer to a specific bachelor's degree program. This transfer map is based on a full-time schedule and is just one example of how a student may successfully complete degree requirements for both programs. Students should work with a TCC advisor and the university to ensure they are on-track for transfer. Students are responsible for understanding the program/admission/transfer requirements for the university and for completing requirements in the official degree sheet for each major.

TULSA COMMUNITY COLLEGE – SEMESTER ONE			
TCC Course	**UTulsa Course**	**UTulsa Requirement**	**Credit Hours**
ENGR 1111 Introduction to Engineering	FYE 1001*	Tulsa Core: First Year Experience	1
CHEM 1365 General Chemistry for Engineers	CHEM 1013/ 1011 ***or*** CHEM 1033/1031 **+** FREL 1TR1*	Physical Sciences Computer Engr Major Requirements **+** Tulsa Core: Quad IV- Natural & Applied Sciences	5
ENGL 1113 Composition I	ENGL 1033*	Tulsa Core: Writing Requirement	3
*MATH 2114 Analytic Geometry & Calculus I	MATH 2014*	Mathematical Sciences Computer Engr Major Requirements **+** Tulsa Core: Quad III - Social Sciences	4
General Education Humanities	Quad I*	Tulsa Core: Quad I - Creative Arts	3
Semester Credit Hours at TCC:			**16**

***Students must have completed MATH 1513 and MATH 1613 or MATH 1715 or have demonstrated Math competencies at the Pre-Calculus level through test scores prior to the first semester to complete this degree within two years/within the number of hours listed in the agreement.**

TULSA COMMUNITY COLLEGE – SEMESTER TWO			
TCC Course	**UTulsa Course**	**UTulsa Requirement**	**Credit Hours**
General Education Humanities	Quad I*	Tulsa Core: Quad I - Creative Arts	3
ENGL 1213 Composition II	ENGL 2093*	Tulsa Core: Writing Requirement	3
MATH 2124 Analytic Geometry & Calculus II	MATH 2024*	Mathematical Sciences Computer Engr Major Requirements **+** Tulsa Core: Quad III - Social Sciences	4
*CSYS 1203 Intro to Computer Programming (Controlled Electives) ***UTulsa recommended course***	CS 1001 + FREL 1TR2	Free Electives	3
PHYS 2034 Physics I with Calculus	PHYS 2053/2051*	Physical Sciences Computer Engr Major Requirements **+** Tulsa Core: Quad IV - Natural & Applied Sciences	4
Semester Credit Hours at TCC:			**17**

***CSYS 1203 is only needed as pre-requisite course for CSCI 2473 in this transfer pathway. Consult your TCC academic advisor about placement testing options and possible instructor approval for enrollment in CSCI 2473, which could reduce the total hours for completion of this transfer pathway by 3-credit hours.**

TULSA COMMUNITY COLLEGE – SEMESTER THREE			
TCC Course	**UTulsa Course**	**UTulsa Requirement**	**Credit Hours**
MATH 2134 Analytic Geometry & Calculus III	MATH 2073 **+** FREL 2TR1	Mathematical Sciences Computer Engr Major Requirements	4
CSCI 2473 C Language (Controlled Electives) ***UTulsa recommended course***	CS 1043	Free Electives	3
HIST 1483 ***or*** HIST 1493 U.S. History	HIST 2503*	Tulsa Core: Quad II - Humanities	3
PHYS 2124 Physics II with Calculus	PHYS 2063/2061	Physical Sciences Computer Engr Major Requirements	4
Semester Credit Hours at TCC:			**14**

TULSA COMMUNITY COLLEGE – SEMESTER FOUR			
TCC Course	**UTulsa Course**	**UTulsa Requirement**	**Credit Hours**
ENGR 2613 Introduction to Electrical Science (Controlled Electives) ***UTulsa recommended course***	ECE 2003	Engineering Science Computer Engr Major Requirements	3
Gen. Ed. Required Electives	FREL 1TR3/2TR3	Free Electives	3
MATH 2613 Elementary Differential Equations	Math 3073	Mathematical Sciences Computer Engr Major Requirements	3
POLS 1113 American Federal Government	POL 2363*	Tulsa Core: Quad II - Humanities	3
CSCI 2843 C++ Programming Language Controlled Electives) ***UTulsa recommended course***	CS 2003	Professional Courses Computer Engr Major Requirements	3
Semester Credit Hours at TCC:			**15**

Congratulations, you have earned your Associate's Degree from TCC! Time to celebrate!

UNIVERSITY OF TULSA – SEMESTER FIVE		
UTulsa Course	**UTulsa Requirement**	**Credit Hours**
ECE 1011 Computer Tools for Electrical & Comp Engineers	Engineering Science Computer Engr Major Requirements	1
ECE 2001 Basic Electrical Measurements Lab	Engineering Science Computer Engr Major Requirements	1
PHYS 2083 Foundations of Modern Physics	Physical Sciences Computer Engr Major Requirements	3
ECE 2163 Digital Systems Principles	Professional Courses Computer Engr Major Requirements	3
ECE 2161 Digital Design Lab	Professional Courses Computer Engr Major Requirements	1
CS 2123 Data Structures	Engineering Science Computer Engr Major Requirements	3
ECE 3143 Electronics I	Professional Courses Computer Engr Major Requirements	3
MATH 3013 **or** CS 3013 Discrete Mathematics	Mathematical Sciences Computer Engr Major Requirements	3
Semester Credit Hours at UTulsa:		**18**

UNIVERSITY OF TULSA – SEMESTER SIX		
UTulsa Course		**Credit Hours**
ES 3063 Solid State Electronic Devices	Engineering Science Computer Engr Major Requirements	3
ECE 4043 Electronics II	Professional Courses Computer Engr Major Requirements	3
ECE 4041 Electronics Lab	Professional Courses Computer Engr Major Requirements	1
ECE 2263 Embedded Systems in C	Professional Courses Computer Engr Major Requirements	3
STAT 4813 Statistical Methods for Scientists & Engineers	Mathematical Sciences Computer Engr Major Requirements	3
ECE 3113 Signals and Linear Systems	Professional Courses Computer Engr Major Requirements	3
Semester Credit Hours at UTulsa:		**16**

UNIVERSITY OF TULSA – SEMESTER SEVEN (Summer)		
UTulsa Course		**Credit Hours**
ES 3083 Engineering Economics	Engineering Science Computer Engr Major Requirements	3
ECE 2063 Introduction to Computer Organization and Microprocessors	Professional Courses Computer Engr Major Requirements	3
Semester Credit Hours at UTulsa:		**6**

UNIVERSITY OF TULSA – SEMESTER EIGHT		
UTulsa Course		**Credit Hours**
ECE 4143 **or** ECE 4163 **or** ECE 4263	Senior Technical Electives Computer Engr Major Requirements	3
ECE 3023 Introduction to Electromagnetics	Professional Courses Computer Engr Major Requirements	3
ECE 4073 Information and Communication Systems	Professional Courses Computer Engr Major Requirements	3
ECE 3033 Electric Power Systems	Professional Courses Computer Engr Major Requirements	3
CS 3053 Operating Systems	Professional Courses Computer Engr Major Requirements	3
ECE 4103 Electrical and Computer Engineering Design Project I	Professional Courses Computer Engr Major Requirements	3
Semester Credit Hours at UTulsa:		**18**

UNIVERSITY OF TULSA – SEMESTER NINE		
UTulsa Course		**Credit Hours**
ECE 4053 Classical Control Theory and Applications	Professional Courses Computer Engr Major Requirements	3
ECE 4203 Electrical and Computer Engineering Design Project II	Professional Courses Computer Engr Major Requirements	3
CS 4333 **or** ECE 4173 **or** ECE 4273	Senior Technical Electives Computer Engr Major Requirements	3
ECE Elective	Senior Technical Electives Computer Engr Major Requirements	3
ECE Elective	Senior Technical Electives Computer Engr Major Requirements	3
Semester Credit Hours at UTulsa:		**15**

Congratulations, you have earned your Bachelor's Degree from UTulsa! Time to celebrate!

TCC 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 University of Tulsa and connect with a UTulsa academic advisor, to ensure you are on track to transfer. Your TCC academic advisor can assist in planning these actions.
- **During Year Two at TCC:** During semester three coursework (or two semesters before you plan to transfer if attending part-time), apply for admission at University of Tulsa as a transfer student (https://admission.utulsa.edu/apply/transfer-applicants/).
- **Final Semester at TCC:** Congratulations you are about to earn your Associate Degree! Be sure to apply for graduation @ https://www.tulsacc.edu/student-resources/graduation.
- **Transcripts:** After your final semester, submit an official TCC transcript to UTulsa (www.tulsacc.edu/student-resources/student-records/requesting-and-submitting-transcripts).
- **Reverse Transfer:** Students who transfer to a university before completing an associate degree and who have earned at least 15 credit hours from TCC may be eligible to complete their TCC degree through Reverse Transfer. Email reversetransfer@tulsacc.edu to see if you qualify for a degree through the Reverse Transfer program (https://www.tulsacc.edu/student-resources/graduation/reverse-transfer).

Additional Program Information:

- After matriculating to UTulsa, a student must complete the mechanical engineering major with a grade point average of 2.0 or higher as well as an overall grade point average of 2.0 or higher to graduate.

UTulsa Tuition Costs:

- Full-time students pay a flat tuition rate each semester they are enrolled in 12 – 18 hours. Any semester where a student is enrolled in 11 hours or less are billed per semester hour. Any semester with an approved overload above 18 hours has additional tuition costs on top of the flat tuition rate to cover the additional hours. Tuition costs and associated student fees are posted at Tuition & Costs - The University of Tulsa (utulsa.edu). The degree map above has been divided to maximize enrollment versus tuition cost each semester. A student that chooses to enroll in fewer than 12 hours or more than 18 in any particular semester should be prepared for different tuition costs.

Learn More About Programs in this Pathway:

- TCC A.S. Engineering - https://www.tulsacc.edu/academics/programs-courses/engineering-engineering
- UTulsa B.S. Computer Engineering - https://utulsa.edu/programs/computer-engineering/

University Transfer Contact Information

Office of University Transfer &
Academic Partnerships
Tulsa Community College
www.tulsacc.edu/transfer
Contact: tcc2university@tulsacc.edu

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University of Tulsa
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