TCC2TU
TRANSFER MAP

TULSA COMMUNITY COLLEGE THE UNIVERSITY of TULSA

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

69 Credit Hours at TCC + 60 Credit Hours at TU = 129 Total Credit Hours
Transfer Map Catalog Year: 2026-2027 (Year 2 of 3)

Note to Students: *UTulsa equivalencies 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 Intro to Engineering	FYE 1001*	Tulsa Core: First Year Experience	1
ENGL 1113 Composition I	ENGL 1033*	Tulsa Core: Writing Requirement	3
*MATH 2114 Analytic Geometry & Calculus I	MATH 2014	Major Requirements: Mathematics + Tulsa Core: Quad III - Social Sciences	4
*CHEM 1365 General Chem for Engineers	CHEM 1013/ 1011 ***or*** CHEM 1033/1031 + FREL 1TR1	Major Requirements: Physical Sciences + Tulsa Core: Quad IV - Natural & Applied Sciences	5
HIST 1483 ***or*** HIST 1493 U.S. History	HIST 2503*	Tulsa Core: Quad II - Humanities	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**
ENGL 1213 Composition II	ENGL 2093*	Tulsa Core: Writing Requirement	3
MATH 2124 Analytic Geometry & Calculus II	MATH 2024	Tulsa Core: Quad III - Social Sciences + Major Requirements: Mathematics	4
General Education Humanities	Quad I*	Tulsa Core: Quad I - Creative Arts	3
ENGR 1132 Engineering Design w/ Computer Aided Design	ME 1212	Major Requirements: Professional Courses	2
ENGR 1242 Introductory Engineering Computer Programming	FREL 1TR2	Free Electives	2
PHYS 2034 Physics I with Calculus	PHYS 2053/2051	Major Requirements: Physical Sciences	4
Semester Credit Hours at TCC:			**18**

TULSA COMMUNITY COLLEGE – SEMESTER THREE			
TCC Course	**UTulsa Course**	**UTulsa Requirement**	**Credit Hours**
MATH 2134 Analytic Geometry & Calculus III	MATH 2073 **+** FREL 2TR1	Major Requirements: Mathematics	4
POLS 1113 American Federal Government	POL 2363*****	Tulsa Core: Quad II - Humanities	3
ENGR 2103 Engineering Statics	ES 2013	Major Requirements: Engineering Science	3
ENGR 2213 Thermodynamics	ES 3053	Major Requirements: Engineering Science	3
PHYS 2124 Physics II with Calculus	PHYS 2063/2061	Major Requirements: Physical Sciences **+** Tulsa Core: Quad IV - Natural & Applied Sciences	4
Semester Credit Hours at TCC:			**17**

TULSA COMMUNITY COLLEGE – SEMESTER FOUR			
TCC Course	**UTulsa Course**	**UTulsa Requirement**	**Credit Hours**
MATH 2613 Elementary Differential Equations	Math 3073	Major Requirements: Mathematics	3
ENGR 2143 Engineering Strength of Materials	ES 3023	Major Requirements: Engineering Science	3
ENGR 2523 Elementary Dynamics	ME 2023	Major Requirements: Professional Courses	3
ENGR 2613 Introduction to Electrical Science	ECE 2003	Major Requirements: Engineering Science	3
General Education Required Elec.	FREL 1TR3/2TR3	Free Electives	3
General Education Humanities	Quad I*****	Tulsa Core: Quad I - Creative Arts	3
Semester Credit Hours at TCC:			**18**

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

UNIVERSITY OF TULSA – SEMESTER FIVE		
UTulsa Course	**UTulsa Requirement**	**Credit Hours**
ME 1123/1120 Design and Manufacturing & Lab	Major Requirements: Professional Courses	3
ME 2001 Professional Aspects of Mechanical Engineering	Major Requirements: Professional Courses	1
ECE 2001 Basic Electrical Measurements Lab	Major Requirements: Professional Courses	1
ES 2513 Engineering Applications Programming	Major Requirements: Professional Courses	3
ES 3003 Introductory Fluid Mechanics	Major Requirements: Professional Courses	3
ES 3073 Heat Transfer	Major Requirements: Engineering Science	3
Semester Credit Hours at UTulsa:		**14**

UNIVERSITY OF TULSA – SEMESTER SIX		
UTulsa Course		**Credit Hours**
ME 2123/2120 Materials and Technology & Lab	Major Requirements: Professional Courses	3
ME 3063 Manufacturing Processes	Major Requirements: Professional Courses	3
ME 3123/3120 Dynamic Systems & Lab	Major Requirements: Professional Courses	3
Math or Science Elective (1 of 2)	Major Requirements: Math or Science Elective	3
ME Elective (1 of 3)	Major Requirements: Professional Courses	3
Semester Credit Hours at UTulsa:		**15**

UNIVERSITY OF TULSA – SEMESTER SEVEN		
UTulsa Course		**Credit Hours**
ME 4053 System Dynamics and Controls	Major Requirements: Professional Courses	3
ME 4123/4120 Thermal Sciences & Lab	Major Requirements: Professional Courses	3
Math or Science Elective (2 of 2)	Major Requirements: Math or Science Elective	3
ME 3033 Properties of Materials	Major Requirements: Professional Courses	4
ME 4383 Mechanical Engineering Design	Major Requirements: Professional Courses	3
Semester Credit Hours at UTulsa:		**16**

UNIVERSITY OF TULSA – SEMESTER EIGHT		
UTulsa Course		**Credit Hours**
ME 4293 Interdisciplinary Design Projects	Major Requirements: Professional Courses	3
ME Elective (2 of 3)	Major Requirements: Professional Courses	3
ME Elective (3 of 3)	Major Requirements: Professional Courses	3
ME Thermal Sciences Elective (3 hrs)	Major Requirements: Professional Courses	3
ME 4033 CFD for Engineers **or** ME 4093 Introduction to Finite Element Analysis	Major Requirements: Computational Elective	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 into TU, 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 in order 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. Mechanical Engineering - https://www.tulsacc.edu/academics/programs-courses/mechanical-engineering-engineering
- UTulsa B.S. Mechanical Engineering - https://utulsa.edu/programs/mechanical-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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