



Associate in Science in Mathematics at Tulsa Community College to Bachelor of Science in Applied Mathematics Computer Science Option at the University of Tulsa

^Renewal from 2022-2023 Catalog year based on no curriculum changes at TCC or TU for either academic program

62 Credit Hours at TCC + 62 Credit Hours at TU = 124 Total Credit Hours

Transfer Map Catalog Year: 2023-2024[^]

University Campus Location: University of Tulsa, 800 S Tucker Dr, Tulsa, OK 74104

Note to Students: Transfer maps provide a semester by semester guide to a bachelor's degree program showing course by course equivalency. 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 these programs. Students should work with a TCC advisor and the university to ensure they are on-time and 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	TU Equivalent Course	Credit Hours
CSCI 1203 Computer Concepts & Applications (Math Recommended Elective)	CIS 1001 Introduction to Spreadsheets (1 credit), FREL 1002 (2 credits)	3
ENGL 1113 Composition I	FREL 1003	3
HIST 1483 U.S. History 1492to Civil war <u>or</u> 1493 U.S. History Civil War to Present	HIST 2503 American Republic (Block II)	3
*MATH 2114 Analytical Geometry and Calculus I	MATH 2014 Calculus I	4
General Education Recommended Elective (from TU Block I List)	Block I	3
Semester Credit Hours at TCC:		16

*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 what is listed in this transfer map. If additional Math is required, it will fill any open general electives. See your academic advisor for more information

TULSA COMMUNITY COLLEGE – SEMESTER TWO		
TCC Course	TU Equivalent Course	Credit Hours
CSYS 1203 Introduction to Computer Programming (Math Recommend Elective)	CS 1001 Introduction to Computer Science (1 credit), FREL 1002 (2 credits)	3
ENGL 1213 Composition II	ENGL 1033 Exposition & Argumentation	3
MATH 2124 Analytical Geometry and Calculus II	MATH 2024 Calculus II	4
3 hrs. Humanities (from TU Block II list)	Block II	3
POLS 1113 American Federal Government	POL 2053 Governing Ideas in America (Block II)	3

Semester Credit Hours at TCC:	16
--------------------------------------	-----------

TULSA COMMUNITY COLLEGE – SEMESTER THREE		
TCC Course	TU Equivalent Course	Credit Hours
MATH 2134 Analytical Geometry and Calculus III	MATH 2073 Calculus III (3 credits), FREL 1001 (1 credit)	4
3 hrs. Humanities (from TU Block II list)	Block II	3
CSCI 2743 C Language (Math Recommend Elective)	CS 1043/1040 Introduction to Programming and Problem Solving	3
3hrs. General Education Science (Non-Lab) (from TU Block III lecture)	Block III Lecture only	3
General Education Required Elective (Fine Arts, Foreign Language, Psychology, Social Science)	FREL 1003	3
Semester Credit Hours at TCC:		16

TULSA COMMUNITY COLLEGE – SEMESTER FOUR		
TCC Course	TU Equivalent Course	Credit Hours
MATH 2613 Elementary Differential Equations	MATH 3073 Differential Equations	3
4hrs.General Education Science (Lab) (from TU BLOCK III Block III lecture and lab)	Block III Lecture and Lab	4
General Education Recommended Elective (from TU Block I List)	Block I	3
PHYS 2034 Physics I w/Calculus (Math Recommended Elective)	PHYS 2034 General Physics lecture and lab	4
Semester Credit Hours at TCC:		14

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

UNIVERSITY OF TULSA – SEMESTER FIVE	
TU Course	Credit Hours
FYE 1001 First Year Experience	1
MATH 1001 Introduction to Mathematics	1
MATH 3033 Introduction to Advanced Math	3
CS 2003 Fundamentals of Algorithm and Computer Applications	3
General Elective	3
General Elective	3
Science Elective	3
Semester Credit Hours at TU:	17

UNIVERSITY OF TULSA – SEMESTER SIX	
TU Course	Credit Hours
MATH 4123 Linear Algebra and Matrix Theory	3
Math Elective- 3000+	3
STAT 4813 Statistical Methods for Scientists and Engineers	3
CS 2123 Data Structures	3
ENGL 3003 Writing for the Profession	3
Semester Credit Hours at TU:	15

UNIVERSITY OF TULSA – SEMESTER SEVEN

TU Course	Credit Hours
MATH 4003 Advanced Calculus I	3
Math 4503 Introduction to Numerical Methods	3
Math Elective- 3000+	3
Math Elective- 3000+	3
Science Elective	3
Semester Credit Hours at TU:	15

UNIVERSITY OF TULSA – SEMESTER EIGHT

TU Course	Credit Hours
MATH 3553 Modern Algebra or MATH 4083 Introduction to Topology	3
Computer Science Elective- 3000+	3
Computer Science Elective- 3000+	3
Computer Science Elective- 3000+	3
Computer Science Elective- 3000+	3
Semester Credit Hours at TU:	15

Congratulations you have earned your Bachelor's Degree from TU! 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 TU 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 or right after semester three coursework, 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 TU (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>).

TU 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 \(utulsa.edu\)](http://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 AS Mathematics - <https://www.tulsacc.edu/programs-and-courses/academic-programs/mathematics>

- TU BS Mathematics - https://engineering.utulsa.edu/mathematics/math-undergraduate-programs/?_ga=2.71774928.257624005.1663599828-892276198.1643139648#degree-options

University Transfer Contact Information

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

Amy Stroud
Transfer Credit and Articulation Specialist
University of Tulsa
Phone: 918-631-2224, transfer-evals@utulsa.edu