

# TCC2TU

TRANSFER MAP



## Associate in Science in Physics (Tulsa Community College) to Bachelor of Science in Physics (University of Tulsa)

Total Transfer Credit Hours at TCC (61) + Total Credit Hours at University of Tulsa (65) = 126 Hours  
Catalog Year: 2021-2022

Modalities Available (On-Campus, Online, Blended): On-Campus

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

**Note to Students:** Transfer Maps provide a semester by semester guide from TCC to a university program showing course equivalency. 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. To ensure maximum transferability of credits, please work with your TCC advisor and your transfer university to ensure you are taking the correct courses to transfer on-time and on-track. Students are responsible for completing requirements in the official degree sheet for each major.

### YEAR ONE – TULSA COMMUNITY COLLEGE

Semester One		Semester Two	
TCC Course and TU Equivalent Course	Hrs.	TCC Course and TU Equivalent Course	Hrs.
ENGL 1113 Composition I <i>TU Equivalent: GNED 1003</i>	3	ENGL 1213 Composition II <i>TU Equivalent: ENGL 1033</i>	3
*MATH 2114 Analytic Geometry & Calculus I (See Note #1 on Math Placement) <i>TU Equivalent: MATH 2014</i>	4	MATH 2124 Analytic Geometry & Calculus II <i>TU Equivalent: MATH 2024</i>	4
COLL 1003 College Success <u>or</u> Rec. Elective <i>TU Equivalent: FYE 1001 + GNED 1002</i>	3	POLS 1113 American Federal Government <i>TU Equivalent: POL 2053 (Block II)</i>	3
HIST 1483 U.S. Hist. 1492 to the Civil War Era <u>or</u> 1493 U.S. Hist. Civil War Era to the Present <i>TU Equivalent: HIST 2503 (Block II)</i>	3	General Education Req. Elec (that is on <a href="#">TU Block II and HCGD List</a> ) <i>TU Equivalent: Block II/HCGD</i>	3
		3 hrs Humanities (that is on <a href="#">TU Block II list</a> ) <i>TU Equivalent: Block II</i>	3
<b>Semester Credit Hours at TCC:</b>	<b>13</b>	<b>Semester Credit Hours at TCC:</b>	<b>16</b>

### YEAR TWO – TULSA COMMUNITY COLLEGE

Semester Three		Semester Four	
TCC Course and TU Equivalent Course	Hrs.	TCC Course and TU Equivalent Course	Hrs.
CHEM 1315 General Chemistry I <i>TU Equivalent: CHEM 1013 + CHEM 1011 + GNED 1001</i>	5	CHEM 1415 General Chemistry II <i>TU Equivalent: CHEM 1023 + CHEM 1021 + GNED 1001</i>	5
MATH 2134 Analytical Geometry & Calculus III (Recommended Elec.) <i>TU Equivalent: MATH 2073 + GNED 1001</i>	4	PHYS 2124 Physics II w/Calculus (L) <i>TU Equivalent: PHYS 2063 + PHYS 2061</i>	4
PHYS 2034 Physics I w/Calculus (L) <i>TU Equivalent: PHYS 2053 + PHYS 2051</i>	4	ASTR 1104 General Astronomy (Recommended Elective) <i>TU Equivalent: GNED 1004</i>	4
3 hrs Humanities (that is on <a href="#">TU Block I list</a> ) <i>TU Equivalent: Block I</i>	3	COMM 1113 Public Speaking <i>TU Equivalent: SP 2113 (Block I)</i>	3
<b>Semester Credit Hours at TCC:</b>	<b>16</b>	<b>Semester Credit Hours at TCC:</b>	<b>16</b>

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**\*NOTE 1:** 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 will exceed 60. If additional Math is required, it will fill any open General Education electives. If General Education electives have already been met, then this degree could require up to 65-66 hours to complete. See your academic advisor for more information.

YEAR THREE – UNIVERSITY OF TULSA			
Semester Five		Semester Six	
TU Course	Hrs.	TU Course	Hrs.
PHYS 2073 General Physics III	3	PHYS 3043 Statistical and Thermal Physics	3
PHYS 2071 General Physics III Laboratory	1	PHYS 3053 Methods of Mathematical Physics in Physical Sciences	3
MATH 3073 Differential Equations	3	MATH ELECTIVE*	4
ECE 2003 Electric Circuit Analysis	3	ENGL 3003 Writing for the Professions	3
ECE 2001 Basic Electrical Measurements Laboratory	1	GENERAL ELECTIVE	2
CS 2503 Scientific Programming	3		
GENERAL ELECTIVE	3		
<b>Semester Credit Hours at TU:</b>	<b>17</b>	<b>Semester Credit Hours at TU:</b>	<b>15</b>

YEAR FOUR – UNIVERSITY OF TULSA			
Semester Seven		Semester Eight	
TU Course	Hrs.	TU Course	Hrs.
PHYSICS ELECTIVE**	3	PHYS 3072 Senior Physics Laboratory	2
GENERAL ELECTIVE	3	PHYS 4003 Classical Mechanics	3
PHYS 4982 Senior Thesis	2	PHYS 4043 Quantum Mechanics II	3
PHYS 3112 Physics Instrumentation Laboratory	2	PHYS 4981 Senior Thesis	1
PHYS 4063 Electricity and Magnetism	3	PHYSICS ELECTIVE**	3
PHYS 4033 Quantum Mechanics I	3	GENERAL ELECTIVE	3
<b>Semester Credit Hours at TU:</b>	<b>16</b>	<b>Semester Credit Hours at TU:</b>	<b>17</b>

**\*MATH ELECTIVE:** Choose from MATH 4123, MATH 4133, MATH 4143, or STAT 4813.

**\*\*PHYSICS ELECTIVE:** Choose from PHYS 3133, PHYS 4053, PHYS 4073, PHYS 4083, PHYS 4093, PHYS 4503, PHYS 4523, or PHYS 4563

### 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 is billed per semester hour. Any semesters 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 online at [Tuition & Costs - The University of Tulsa \(utulsa.edu\)](http://tuitionandcosts.theuniversityoftulsa.edu). The degree map above has been divided to maximize enrollment versus tuition cost each semester. Students that choose to enroll in fewer than 12 hours or more than 18 hours in any particular semester should be prepared for different tuition costs.

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T R A N S F E R M A P



## 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:** 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 A.S. in Physics! Be sure to apply for graduation @ <https://www.tulsacc.edu/student-resources/graduation>.
- **Transcripts:** Submit an official TCC transcript to TU ([www.tulsacc.edu/student-resources/student-records/requesting-and-submitting-transcripts](http://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](mailto:reversetransfer@tulsacc.edu) to see if you qualify for a degree through the Reverse Transfer program.

## TU Program Information:

- After matriculating into TU, a student must complete the physics 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.

## Learn More About Programs in this Pathway:

- TCC A.S. Physics - <https://www.tulsacc.edu/programs-and-courses/academic-programs/physics>
- TU B.S. Physics - <https://engineering.utulsa.edu/physics-engineering-physics/physics-undergraduate-programs/>

## University Transfer Contact Information

University Transfer Office  
Tulsa Community College  
[www.tulsacc.edu/transfer](http://www.tulsacc.edu/transfer)  
Contact: [tcc2university@tulsacc.edu](mailto:tcc2university@tulsacc.edu)

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