

# TCC2TU

T R A N S F E R M A P



## Associate in Science in Chemistry, (Tulsa Community College) to Bachelor of Science in Chemical Engineering Pre-med Opt. (University of Tulsa)

Total Credit Hours at TCC (63) + Total Credit Hours at University of Tulsa (81) = 144 credit hours  
Catalog: 2021-2022

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

**University Campus Location:** Transfer Maps provide a semester by semester guide from TCC to a university program showing course equivalency. This 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 transfer 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 (FALL)		Semester Two (SPRING)	
TCC Course and TU Equivalent Course	Hrs.	TCC Course and TU Equivalent Course	Hrs.
ENGL 1113 Composition I <i>TU Equivalent: FREL 1003</i>	3	ENGL 1213 Composition II <i>TU Equivalent: ENGL 1033</i>	3
Humanities ( <a href="#">from TU Block I List</a> ) <sup>1</sup> <i>TU Equivalent: Block I</i>	3	CHEM 1415 General Chemistry II <i>TU Equivalent: CHEM 1023/1021 (4 credits) &amp; FREL 1001 (1 credit)</i>	5
CHEM 1315 General Chemistry I <i>TU Equivalent: CHEM 1013/1011 (4 credits) &amp; FREL 1001 (1 credit)</i>	5	COMM 1113 Public Speaking <i>TU Equivalent: SP 2113 (Block I)</i>	3
POLS 1113 American Federal Government <i>TU Equivalent: POL 2053 (Block II)</i>	3	MATH 2114 Analytical Geometry & Calc. I <i>TU Equivalent: MATH 2014</i>	4
*MATH 1613 Pre-calculus II <i>TU Equivalent: MATH 1163/FREL 1003</i>	3		
<b>Semester Credit Hours at TCC:</b>	<b>17</b>	<b>Semester Credit Hours at TCC:</b>	<b>15</b>

**MATH PLACEMENT NOTE:** 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 the A.S. degree within two years. Talk with your academic advisor about placement options.

YEAR ONE – TULSA COMMUNITY COLLEGE	
Semester Three (SUMMER)	
TCC Course and TU Equivalent Course	Hrs.
Humanities ( <a href="#">from TU Block II List</a> ) <i>TU Equivalent: Block II</i>	3
MATH 2124 Analytic Geometry & Calc. II (Gen. Ed. Recommended Elective) <i>TU Equivalent: MATH 2024</i>	4
<b>Semester Credit Hours at TCC:</b>	<b>7</b>

- Select a Block I course from the list that also meets TU's HCGD requirement.
- IMPORTANT NOTE FOR SEMESTER FIVE COURSES:** Two courses must be taken at TU in final spring semester at TCC, to stay on track with required major courses after matriculating to TU full-time the following year. To receive federal financial aid while attending two separate institutions, student must apply for admission to TU prior to Semester Four and complete consortium agreement through the TU Financial Aid Office by the end of the first week of school in Semester Four. For assistance with a consortium agreement between TU and TCC for Semester Five, contact [finaid@utulsa.edu](mailto:finaid@utulsa.edu) or 918-631-2670

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## TRANSFER MAP



### YEAR TWO – TULSA COMMUNITY COLLEGE & TU

Semester Four (FALL)		Semester Five (SPRING @TCC & TU)	
TCC Course and TU Equivalent Course	Hrs.	TCC Course and TU Equivalent Course	Hrs.
CHEM 2145 Organic Chemistry I <i>TU Equivalent: CHEM 3013/3011 (4 credits), FREL 1001 (1credit)</i>	5	CHEM 2245 Organic Chemistry II <i>TU Equivalent: CHEM 3023/3021 (4 credits), FREL 1001 (1credit)</i>	5
PHYS 2034 Physics I with Calculus <i>TU Equivalent: PHYS 2053/2051</i>	4	PHYS 2124 Physics II with Calculus <i>TU Equivalent: PHYS 2063/2061</i>	4
General Education Req. Elec ( <a href="#">from TU Block II List</a> ) Recommended PSYC 1113 Introduction to Psychology <i>TU Equivalent: PSY 2253/Block II</i>	3	<b>TU Course:</b> ES 3053 Thermodynamics <sup>2</sup>	3
HIST 1483 U.S. Hist. 1492 to the Civil War Era <b>or</b> 1493 U.S. Hist. Civil War Era to the Present <i>TU Equivalent: HIST 2503 (Block II)</i>	3	<b>TU Course:</b> CHE 2003 Principles of Chemical Engineering <sup>2</sup>	3
<b>Semester Credit Hours at TCC:</b>	<b>15</b>	<b>Semester Credit Hours at TCC:</b>	<b>9</b>
		<b>Semester Credit Hours at TU:</b>	<b>6</b>

### YEAR THREE – UNIVERSITY OF TULSA

Semester Six (FALL)		Semester Seven (SPRING)	
TU Course	Hrs.	TU Course	Hrs.
FYE 1001 First Year Experience	1	ChE 4113 Process Control	3
ChE 1000 Freshman Chemical Engineering Experience	0	ChE 1011 Introduction to the Chemical Engineering Profession	1
MATH 3073 Differential Equations	3	ChE 4063 Chemical Reactor Design	3
ES 3003 Introductory Fluid Mechanics <sup>3</sup>	3	ChE 3084 Mass Transfer	4
ChE 3063 Equilibrium Thermodynamics	3	BIOL 1703 Molecular and Cellular Biology	3
ES 3073 Heat Transfer	3	BIOL 1711 Molecular and Cellular Biology Lab	1
BIOL 1603 Intro to Organismal and Evolutionary Biology	3	SOC 1033 Sociological Imagination	3
BIOL 1611 Intro to Organismal and Evolutionary Biology Lab	1		
<b>Semester Credit Hours at TU:</b>	<b>17</b>	<b>Semester Credit Hours at TU:</b>	<b>18</b>

3. ChE department will waive the required co-requisite for ES 3003 in semester six

### YEAR THREE – UNIVERSITY OF TULSA

#### Semester Eight (SUMMER)

TU Course	Hrs.
BIOL 2123 Genetics	3
BIOL 2121 Genetics Lab	1
Engineering Science Elective	3
<b>Semester Credit Hours at TU:</b>	<b>7</b>

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## YEAR FOUR – UNIVERSITY OF TULSA

Semester Nine (FALL)		Semester Ten (SPRING)	
TU Course	Hrs.	TU Course	Hrs.
ChE 4123 Chemical Process Health & Safety	3	ChE 4083 Chemical Engineering Plant Design	3
Engineering Science Elective	3	ChE 4013 Chemical Engineering Lab II	3
ChE 4103 Process Component Design	3	MATH 2073 Calculus III	3
ChE 4003 Chemical Engineering Lab I	3	CHEM 4133 Biochemistry I	3
ES 2513 Engineering Applications Programming	3	Advanced Engineering Elective	3
STAT 4813 Statistical Methods for Scientists & Engineers	3		
<b>Semester Credit Hours at TU:</b>	<b>18</b>	<b>Semester Credit Hours at TU:</b>	<b>15</b>

### 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 \(utulsa.edu\)](#). The degree map above has been divided to maximize enrollment versus tuition cost each semester. Students who choose to enroll in fewer than 12 hours or more than 18 hours in any particular semester should be prepared for different tuition costs.

### 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:** IMPORTANT NOTE FOR SEMESTER FIVE COURSES: Two courses must be taken at TU in final spring semester at TCC, to stay on track with required major courses after matriculating to TU full-time the following year. To receive federal financial aid while attending two separate institutions, student must apply for admission to TU prior to Semester Four and complete consortium agreement through the TU Financial Aid Office by the end of the first week of school in Semester Four. For assistance with a consortium agreement between TU and TCC for semester Five, contact [finaid@utulsa.edu](mailto:finaid@utulsa.edu) or 918-631-2670
- **Final Semester at TCC:** Congratulations - you are about to earn your A.S. in Chemistry! 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.

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## Additional Program Information:

- After matriculating into TU, a student must complete the chemical 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.
- 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://utulsa.edu)). The degree map above has been divided to maximize enrollment versus tuition cost each semester and to meet prerequisites. Students who choose to enroll in fewer than 12 hours or more than 18 hours in any particular semester should be prepared for different tuition costs.

## Learn More About Programs in this Pathway:

- TCC A.S. Chemistry - <https://www.tulsacc.edu/programs-and-courses/academic-programs/chemistry/as>
- TU B.S. Chemical Engineering - <https://engineering.utulsa.edu/chemical-engineering/>

## 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  
Contact: 918-631-2224, [transfer-evals@utulsa.edu](mailto:transfer-evals@utulsa.edu)