



## Associate in Science in Environmental Science & Natural Resources at Tulsa Community College to Bachelor of Science in Geosciences, Environmental Option at 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 + 65 Credit Hours at TU = 127 Total Credit Hours**

**Transfer Map Catalog Year: 2023-2024<sup>^</sup>**

**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.

<b>TULSA COMMUNITY COLLEGE – SEMESTER ONE</b>		
TCC Course	TU Equivalent Course	Credit Hours
BIOL 1224 - Introduction to Biology for Majors (L)	BIOL 1703 Introduction to Molecular & Cellular Biology (lecture) & BIOL 1711 Introduction to Molecular & Cellular Biology (lab)	4
*MATH 1513 - Precalculus I (A)	MATH 1143 Mathematical Functions (Free Elective)	3
POLS 1113 - American Federal Government	POL 2053 Governing Ideas in America (Block II)	3
ECON 2023 - Principles of Microeconomics	ECON 2023 Principles of Economics II Microeconomics (Block II)	3
ENGL 1113 - Composition I	FREL 1003 (Free Elective)	3
<b>Semester Credit Hours at TCC:</b>		<b>16</b>

\*Discuss math placement with your academic advisor. If a student places into a math sequence at TCC that is MATH 1613 or higher, GIS 2343 is recommended at TCC in the controlled elective option.

<b>TULSA COMMUNITY COLLEGE – SEMESTER TWO</b>		
TCC Course	TU Equivalent Course	Credit Hours
BIOL 1604 - Zoology (L)	BIOL 1603 Introduction to Organismal & Evolutionary Biology (lecture) & BIOL 1611 Biology (lab)	4
CHEM 1315 - General Chemistry I (L)	CHEM 1013/1011 General Chemistry I (lecture & lab) + FREL1001	5
ENGL 1213 - Composition II	ENGL 1033 Exposition & Argumentation	3
HIST 1483 - U.S. History 1492 to the Civil War Era OR HIST 1493 - U.S. History - Civil War Era to the Present	Block II	3
<b>Semester Credit Hours at TCC:</b>		<b>15</b>

**TULSA COMMUNITY COLLEGE – SEMESTER THREE**

TCC Course	TU Equivalent Course	Credit Hours
BIOL 1404 - General Botany (L)	BIOL 1013 Plants & Society & BLKD 1001	4
CHEM 1415 - General Chemistry II (L)	CHEM 1023/1021 General Chemistry II (lecture & lab) + FREL1001	5
MATH 1613 Precalculus II	MATH 1163 Pre-Calculus Mathematics	3
3 hrs. Humanities (from <a href="#">TU Block II list</a> )	Block II	3
<b>Semester Credit Hours at TCC:</b>		<b>15</b>

**TULSA COMMUNITY COLLEGE – SEMESTER FOUR**

TCC Course	TU Equivalent Course	Credit Hours
BIOL 1113 - Introduction to Environmental Science OR BIOL 2313 - Principles of Ecology	BLKD 1003 Block III or BIOL 2013 Ecology	3
MATH 2193 - Elementary Statistics	STAT 2013 Introduction to Statistics	3
GEOL 1014 - General Geology (Physical) (L)	GEOL 1014 Physical Geology	4
3 hrs. Humanities ( <a href="#">from TU Block I List</a> )	Block I	3
COMM 1113 - Public Speaking	SP 2113 Public Speaking (Block I)	3
<b>Semester Credit Hours at TCC:</b>		<b>16</b>

**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 2014 Calculus I	4
GEOL 3153 Sedimentary Rocks & Processes	3
GEOL 3151 Sedimentary Rocks & Processes Lab	1
GPHY 2503 Physics of the Earth	3
Geoscience Elective	3
<b>Semester Credit Hours at TU:</b>	<b>15</b>

**UNIVERSITY OF TULSA – SEMESTER SIX**

TU Course	Credit Hours
MATH 2024 Calculus II	4
PHYS 2053 General Physics I Lecture	3
PHYS 2051 General Physics I Lab	1
GEOL 2034 Minerals & Rocks	4
GEOL 4083 Introduction to Geographic Information Systems	3
Geoscience Elective	3
<b>Semester Credit Hours at TU:</b>	<b>18</b>

**UNIVERSITY OF TULSA – SEMESTER SEVEN**

TU Course	Credit Hours
GEOG 3053 Geomorphology	3
PHYS 2063 General Physics II Lecture	3
PHYS 2061 General Physics II Lab	1
MATH 4503 Introduction to Numerical Methods	3
Geoscience Elective	3
Tech Elective	3
<b>Semester Credit Hours at TU:</b>	<b>16</b>

## UNIVERSITY OF TULSA – SEMESTER EIGHT

TU Course	Credit Hours
GEOL 4113 Introduction to Structural Geology	3
GEOL 4111 Structural Geology Lab	1
GPHY 4053 Applied Geophysics	3
Geoscience Elective	3
Geoscience Elective	3
Tech Elective	3
<b>Semester Credit Hours at TU:</b>	<b>16</b>

**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 the 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](http://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](mailto: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 \(utulsa.edu\)](#). 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 Environmental Science & Natural Resources - [https://catalog.tulsacc.edu/preview\\_program.php?catoid=24&pooid=7148](https://catalog.tulsacc.edu/preview_program.php?catoid=24&pooid=7148)
- TU BSG Geosciences Environmental Option- [https://engineering.utulsa.edu/geosciences/geosci-undergraduate-programs/?\\_ga=2.112996100.1249989377.1664217073-892276198.1643139648#degree-options](https://engineering.utulsa.edu/geosciences/geosci-undergraduate-programs/?_ga=2.112996100.1249989377.1664217073-892276198.1643139648#degree-options)

### 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)

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