

# TCC2NSU

TRANSFER MAP



## Associate in Science in Pre-Professional Health Sciences, Pre-Dentistry, Pre-Medicine, Pre-Optometry Option at Tulsa Community College to Bachelor of Science in Cell and Molecular Biology at Northeastern State University

**63 Credit Hours at TCC + 61 Credit Hours at NSU = 124 Total Credit Hours**

**Transfer Map Catalog Year:** 2023-2024

**University Campus Locations:** Tahlequah, Broken Arrow

**Note to Students:** Transfer maps provide a semester by semester guide to a university 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-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	NSU Course	Credit Hours
ENGL 1113 - Composition I	ENGL 1113 - English Composition I	3
BIOL 1224 - Introduction to Biology for Majors (L)	BIOL 1013 & BIOL 1011- Introductory Biology I and lab	4
POLS 1113 - American Federal Government	POLS 1113 - American Federal Government	3
MATH 1513 - Precalculus I (A)	MATH 1513 - College Algebra	3
PSYC 1113 - Introduction to Psychology (S)	PSYC 1113 - Introduction to Psychology	3
<b>Semester Credit Hours at TCC:</b>		<b>16</b>

TULSA COMMUNITY COLLEGE – SEMESTER TWO		
TCC Course	NSU Course	Credit Hours
ENGL 1213 - Composition II	ENGL 1213 - English Composition II	3
HIST 1483 - U.S. History 1492 to the Civil War Era <u>or</u> HIST 1493 - U.S. History - Civil War Era to the Present	HIST 1483 - American History to 1877 or HIST 1493 - American History since 1877	3
CHEM 1315 - General Chemistry I (L)	CHEM 1123 & 1131 - General Chemistry I and lab	5
BIOL 1404 - General Botany (L)*	BIOL XXXX Elective	4
<b>Semester Credit Hours at TCC:</b>		<b>15</b>

TULSA COMMUNITY COLLEGE – SEMESTER THREE		
TCC Course	NSU Course	Credit Hours
PHYS 1114 - General Physics I (L)	PHYS 1114 - General Physics I	4
BIOL 1604 - Zoology (L)*	BIOL XXXX Elective	4
CHEM 1415 - General Chemistry II (L)	CHEM 1223 & 1231 - General Chemistry II	5
Humanities General Education Elective	Humanities or General Elective	3
<b>Semester Credit Hours at TCC:</b>		<b>16</b>

<b>TULSA COMMUNITY COLLEGE – SEMESTER FOUR</b>		
<b>TCC Course</b>	<b>NSU Course</b>	<b>Credit Hours</b>
PHYS 1214 - General Physics II (L)	PHYS 1214 - General Physics II	4
BIOL 2164 - Microbiology (L)	BIOL 3224 - Microbiology	4
CHEM 2145 - Organic Chemistry I (L) or take via Concurrent Enrollment at NSU-BA**	CHEM 3123 & CHEM 3131 - Organic Chemistry I	5
Humanities General Education Elective	Humanities or General Elective	3
<b>Semester Credit Hours at TCC:</b>		<b>16</b>

**Notes: \*Students are recommended to take both Zoology and Botany. Those students will get credit for one elective and Bio II. Students that take another combination of classes will have to take Bio II online over the summer.**

**\*\*It is recommended that students take both semesters of organic chemistry at the same institution. To maximize the number of hours which transfer from TCC to NSU, we strongly recommend that students take Organic Chemistry at NSU. Please remember to Reverse Transfer as noted in the "TCC Milestones and Recommended Actions" section if skipping CHEM 2145 &/or CHEM 2245 at TCC.**

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

<b>NORTHEASTERN STATE UNIVERSITY – SEMESTER FIVE</b>	
<b>NSU Course</b>	<b>Credit Hours</b>
CHEM 3223 and 3232 - Organic Chemistry II and lab	4
BIOL 3114 - Genetics	4
BIOL 3124 - Cell Biology	4
General Elective	3
<b>Semester Credit Hours at NSU:</b>	<b>15</b>

<b>NORTHEASTERN STATE UNIVERSITY – SEMESTER SIX</b>	
<b>NSU Course</b>	<b>Credit Hours</b>
CHEM 4214 - Biochemistry	4
MATH 3513 - Statistical Methods	3
BIOL 3142 - Experimental Design or BIOL 4410 - Research in Biology	2
BIOL 4232 - Molecular and Cellular Biology Laboratory	2
General Elective	2
Upper General Elective	3
<b>Semester Credit Hours at NSU:</b>	<b>16</b>

<b>NORTHEASTERN STATE UNIVERSITY – SEMESTER SEVEN</b>	
<b>NSU Course</b>	<b>Credit Hours</b>
BIOL 4103 – Developmental Biology	3
BIOL 4543 – Molecular Biology	3
BIOL XXXX – Biology Elective	4
General Elective	2
Upper General Elective	3
<b>Semester Credit Hours at NSU:</b>	<b>15</b>

<b>NORTHEASTERN STATE UNIVERSITY – SEMESTER EIGHT</b>	
<b>NSU Course</b>	<b>Credit Hours</b>
BIOL 4354 - Immunology	4
BIOL 4621 - Senior Seminar	1
BIOL 4242 - Trends & Issues in Molecular Biology	2
General Elective	2
General Elective	3
General Elective	3
<b>Semester Credit Hours at NSU:</b>	<b>15</b>

## Congratulations you have earned your Bachelor's Degree from NSU! 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 Northeastern State University and connect with a NSU 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 Northeastern State University as a transfer student (<https://apply.nsuok.edu/>).
- **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 NSU ([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>).

### Baccalaureate Degree Information:

- Students must complete 60 of 124 credit hours from a university (four-year school), excluding physical education courses.
- 30 credit hours are required from NSU.
- 40 credit hours must be junior and senior (3000/4000) level courses.
- At least 18 hours or 50% of the major, whichever is greater, must be from NSU; half the major must be upper level (3000/4000).
- English proficient (ENGL 1113 Composition & ENGL 1213 Composition II) with a C or better.
- Computer proficient.

### Learn More About Programs in this Pathway:

- TCC AS Pre-Professional Health Sciences, Pre-Dentistry, Pre-Medicine Option, Pre-Optometry Option - <https://www.tulsacc.edu/academics/programs-courses/pre-dentistry-medicine-optometry-pre-professional-health-sciences>
- NSU Cell and Molecular Biology BS program - [https://academics.nsuok.edu/naturalsciences/Degrees/Undergraduate/CellularEmphasis.aspx?\\_ga=2.95012508.1285636979.1706282209-2114662323.1588865349](https://academics.nsuok.edu/naturalsciences/Degrees/Undergraduate/CellularEmphasis.aspx?_ga=2.95012508.1285636979.1706282209-2114662323.1588865349)

### 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)

Transfer Student Services  
Northeastern State University  
<https://www.nsuok.edu/Transfer>  
Contact: [transfer2nsu@nsuok.edu](mailto:transfer2nsu@nsuok.edu)