



**Associate in Science in Mathematics (TCC) to  
Bachelor of Science in Mathematics, Education Option (NSU)  
Broken Arrow and Tahlequah**

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

**Catalog Year:** 2021-2022

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

**Note to Students:** Transfer Maps provide a semester by semester guide from TCC to a university program showing course equivalency. This 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 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.

| <b>YEAR ONE – TULSA COMMUNITY COLLEGE</b>   |             |   |             |
|---|-------------|---|-------------|
| <b>Semester One</b>   |             | <b>Semester Two</b>   |             |
| <b>TCC Course</b>   | <b>Hrs.</b> | <b>TCC Course</b>   | <b>Hrs.</b> |
| ENGL 1113 Composition I   | 3           | ENGL 1213 Composition II  | 3           |
| MATH 1715 Precalculus I & II<br>(Recommended Elective)  | 5           | MATH 2114 Analytic Geometry & Calculus I                              | 4           |
| CSCI 1203 Computer Concepts and Applications (Recommended Elective)                                   | 3           | CSYS 1203 Introduction to Computer Programming (Recommended Elective) | 3           |
| HIST 1483 or HIST 1493 U.S. History   | 3           | POLS 1113 - American Federal Government                               | 3           |
| COLL 1003 College Success or General Ed. Recommended Elective<br>(SPAN 1103 Spanish I is recommended) | 3           | Humanities  | 3           |
| <b>Semester Credit Hours at TCC:</b>  | <b>17</b>   | <b>Semester Credit Hours at TCC:</b>                                  | <b>16</b>   |

\*Teacher candidates must demonstrate proficiency in a language other than English.

| <b>YEAR ONE – TULSA COMMUNITY COLLEGE</b>                                   |             |   |             |
|---|-------------|---|-------------|
| <b>Semester Three</b>   |             | <b>Semester Four</b>                        |             |
| <b>TCC Course</b>   | <b>Hrs.</b> | <b>TCC Course</b>                           | <b>Hrs.</b> |
| COMM 1113 Public Speaking   | 3           | MATH 2613 Elementary Differential Equations | 3           |
| MATH 2124 Analytic Geometry & Calculus II                                   | 4           | MATH 2134 Analytic Geometry & Calculus III  | 4           |
| PHYS 2034 Physics I with Calculus (Gen. Ed. Science)                        | 4           | BIOL 1114 General Biology for Non-Majors    | 4           |
| PSYC 1113 Introduction to Psychology<br>General Education Required Elective | 3           | Humanities                                  | 3           |
| <b>Semester Credit Hours at TCC:</b>  | <b>14</b>   | <b>Semester Credit Hours at TCC:</b>        | <b>14</b>   |

# TCC2NSU

TRANSFER MAP



## YEAR THREE – NORTHEASTERN STATE UNIVERSITY

| Semester Five   |           | Semester Six   |           |
|---|-----------|--|-----------|
| NSU Course  | Hrs.      | NSU Course   | Hrs.      |
| MATH 3703 Introduction to Proof   | 3         | MATH 3763 Teaching Mathematics                               | 3         |
| MATH 3313 College Geometry (odd Fall) or<br>MATH 4613 History of Math (even Fall) | 3         | MATH 3983 Linear Algebra                                     | 3         |
| MATH 3513 Statistical Methods   | 3         | MATH 4113 Differential Equations                             | 3         |
| MATH 3713 Abstract Algebra I  | 3         | MATH Elective  | 3         |
| EDUC 3313 Clinical Teaching   | 3         | SPED 4433 Intro to Educ of Children with<br>Exceptionalities | 3         |
| EDUC 3113 Educational Psychology  | 3         | Free Electives   | 1         |
| <b>Semester Credit Hours at NSU:</b>  | <b>18</b> | <b>Semester Credit Hours at NSU:</b>                         | <b>16</b> |

## YEAR FOUR – NORTHEASTERN STATE UNIVERSITY

| Semester Seven  |           | Semester Eight                       |           |
|---|-----------|--------------------------------------|-----------|
| NSU Course  | Hrs.      | NSU Course                           | Hrs.      |
| MATH 3313 College Geometry (odd Fall) or<br>MATH 4613 History of Math (even Fall) | 3         | EDUC 4064 Secondary Intern Teaching  | 4         |
| MATH 4313 Teaching Secondary Math   | 3         | EDUC 4074 Secondary Intern Teaching  | 4         |
| MATH 4723 Senior Seminar  | 3         | EDUC 4172 Assessment and Evaluation  | 2         |
| EDUC 4032 Pre-Internship II   | 2         | EDUC 4252 Seminar                    | 2         |
| EDUC 4353 Secondary Teaching Methods<br>and Practices                             | 3         |                                      |           |
| EDUC 4823 Technology & the 21st Century<br>Learner                                | 3         |                                      |           |
| <b>Semester Credit Hours at NSU:</b>  | <b>17</b> | <b>Semester Credit Hours at NSU:</b> | <b>12</b> |

### Milestones and Recommended Actions - TCC:

- **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:** 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 A.S. in Mathematics! Be sure to apply for graduation @ <https://www.tulsacc.edu/student-resources/graduation>.
- **Transcripts:** submit 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:** 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.

# TCC2NSU

TRANSFER MAP



## Program Information and Recommended Actions - NSU:

In addition to courses in the discipline, all students completing a BA or BS in Education degree must meet the following requirements for certification.

- Be accepted for admission to teacher education, pre-II internship, and full internship according to published course sequence and guidelines.
- Demonstrate proficiency at the high novice level in a language other than English.
- Develop a portfolio which documents their accomplishments, learning, and strengths related to the competencies, standards, and outcomes established by the Oklahoma Commission for Teacher Preparation, Oklahoma State Regents for Higher Education, and the Oklahoma State Department of Education.
- Complete all courses in the major and Professional Education Core with a grade of “C” or higher.
- Students entering NSU beginning Fall 2013 must have an overall GPA of 2.75 for admission to teacher education.
- Once admitted to the teacher education program, all majors must continue to maintain a GPA of 2.5 (overall, in their major field of study, and professional education core) through completion.
- 4 X 12 requirement - Early Childhood, Elementary Education, and Special Education programs require completion of 12 semester hours with a grade of “C” or better in the following disciplines: Communication Arts (English, Communication, Literature), Math, Science, and Social Science (Economics, Geography, History, Political Science, Psychology, Sociology) prior to graduation.
- All Professional Education majors must complete PSYC 1003 or PSYC 1113. Advisors recommend those courses be completed as part of the General Education course sequence

## 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 A.S. Mathematics - <https://www.tulsacc.edu/programs-and-courses/academic-programs/mathematics>
- NSU B.S. Mathematics-  
<https://academics.nsuok.edu/mathematics/InformationforStudents/DegreesandMajors/Undergraduate/BSMathematics.aspx>

## 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://offices.nsuok.edu/advising/TransferStudentServices/default.aspx>  
Contact: [transfer2nsu@nsuok.edu](mailto:transfer2nsu@nsuok.edu)