Gregg Wadley College of Science & Health Professions

MATHEMATICS EDUCATION
(AS Math – BS Ed. Mathematics Education)
(Broken Arrow Campus)

NSU BS. Ed. Mathematics Education: The Mathematics Education major prepares students to become Grade 6 -12 math teachers. Students gain extensive field experiences prior to intern teaching beginning with their first education class. A strong emphasis is placed on inquiry-based instruction. Faculty assist students in acquiring a solid theoretical base and provide students with opportunities for practical application of theory within public school settings.

Major Guidelines / regulations: Mathematics Education majors completing NSU's program meet state certification and licensure requirements as they progress through the program. These include:

- **Foreign Language Competency:** All teacher candidates must demonstrate proficiency at the high novice level in a language other than English. Your advisor can recommend a class to satisfy this state requirement
- **PSYC 1113**: All candidates are required to take PSYC 1113, Introduction to Psychology.
- **Portfolio:** All students pursuing teacher certification are required to develop a portfolio which documents their accomplishments, learning, and strengths related to the competencies, standards, and outcomes established by the Oklahoma Office of Educational Quality and Accountability, Oklahoma State Regents for Higher Education, and the Oklahoma State Department of Education.
- **Certification Testing:** At intervals within the program, teacher candidates complete portions of the certification test. For admission to teacher education, students must pass the Oklahoma General Education Test (OGET). Teacher candidates must also pass an Oklahoma Subject Area Test before their full internship. Successful completion of the Oklahoma Professional Teaching Examination (OPTE) is encouraged, but is not required, for continued participation in our Teacher Education Program.
- **GPA / Course Grades:** Education majors must complete all math and education courses with a C or better. In addition, students must maintain a 2.5 overall GPA and a 2.5 in all major courses and in all education courses.

What it takes to complete a B.S. ED in Mathematics Education from NSU. If you don't complete your AA or AS at TCC, you will need to meet NSU's specific general education requirements. You must have at least 124 hours completed to earn a BS degree. Of those hours, 60 must be from a university (4 year school; 30 hours required from NSU), 40 must be junior and senior (3000/4000) level, and half of the hours (50%) in your major must be from NSU. You must also be both English and computer proficient. This means that you must pass ENGL 1113 Composition I & ENGL Composition II with a "C" or better and pass the designated computer proficiency class if needed. Therefore, when you transfer to NSU, you will likely need to complete around 60 more hours in order to earn your BS.

Transferring to NSU is a seamless process. Although you can transfer to NSU at any time in your academic career, the smoothest transition occurs if you have earned or will earn an A.A. or A.S. from TCC. This milestone will also meet your general education requirements at NSU (unless it is a specific NSU requirement for you to graduate).

How do my TCC classes transfer to NSU? Every class that you take at TCC will transfer to NSU. Every class you take at TCC will transfer to NSU. Each class counts in one of the following categories that make up a bachelor's degree: general education, major, minor, or free elective. Minors (18 hours) are a coherent set of courses in a discipline or interdisciplinary grouping other than a student's degree program. **This program does NOT requires a minor.** Free electives can be selected from any academic area. They allow you to explore academic interests outside of your major while counting toward the 124 hours you need to graduate. If you completed a class at TCC that does not meet one of the other specific requirements, it will count as a free elective. If you complete more than 64 hours at the associate degree level, all courses will transfer to NSU, but may be counted as electives. You must have 60 hours from a four-year institution to meet state requirements for graduation with a baccalaureate degree.

When can you start taking NSU classes? You can begin taking classes at NSU while you are completing your A.A. or A.S. at TCC. This is called dual enrollment and many students do this each semester. Consult an NSU academic advisor and a financial aid counselor to see how dual enrollment can work for you.

TCC Mathematics A.S. to
NSU Mathematics Education, B.S. Ed.
(Broken Arrow Campus)

Mathematics, AS
Freshman Year at Tulsa Community College

Fall Semester	Spring Semester
*CSCI 1203 Computer Concepts & Applications	CSYS 1203 Introduction to Computer Programming
ENGL 1113 Composition I	ENGL 1213 Composition II
HIST 1483 or 1493 U.S. History	MATH 2114 Analytic Geometry & Calculus I
MATH 1715 Pre-Calculus I & II	MATH 2193 Elementary Statistics
	POLS 1113 American Federal Government
Total Credit Hours: 14	Total Credit Hours: 16

Note: Computer Concepts & Applications (CSCI 1203) may be required for students who do not demonstrate computer proficiency. See TCC Catalog.

Mathematics, AS
Sophomore Year at Tulsa Community College

Fall Semester	Spring Semester
Humanities General Education Requirement 6 hrs	COMM 1113 Public Speaking
MATH 2124 Analytic Geometry and Calculus II	MATH 2134 Analytic Geometry and Calculus III
PHYS 1114 Gen. Physics I or PHYS 2034 Eng. Physics I	MATH 2613 Elementary Differential Equations
PSYC 1113 Intro. to Psychology (General Education Required Elective 3 hrs)	PHYS 1214 Gen. Physics II or PHYS 2124 Eng. Physics II
	Language other than English (3 hrs)
Total Credit Hours: 17	Total Credit Hours: 17

Note: NSU requires PSYC 1113 for teacher education programs; Novice-high proficiency is required for a language other than English.

After completion of your fourth semester courses, have the TCC Registrar send an official transcript to the NSU Admissions Office. If you have completed all requirements for an Associate degree, make sure that designation is noted on your TCC official transcript before sending to NSU. If you have not completed the requirements for an Associate degree, talk with your TCC Academic Advisor about Reverse Transfer options to use NSU coursework to complete your TCC degree.

Mathematics Education, B.S. Ed.
Junior Year at Northeastern State University
This plan assumes that a student begins taking courses at NSU in the summer semester of an even numbered year. Modifications can be made if a student begins during any other semester.

Summer Semester = 3 hrs.
MATH 3703 Introduction to Proof

Mathematics Education, B.S. Ed.
Junior Year at Northeastern State University

Fall Semester	Spring Semester
EDUC 3313 Clinical Teaching	EDUC 4823 Emerging Technologies
EDUC 3113 Educational Psychology	MATH 3313 College Geometry
MATH 3763 Teaching Mathematics	SPED 4433 Intro to Educ of Children w. Exceptionalities
MATH Electives (3 hrs)	
Total Credit Hours: 12	Total Credit Hours: 9

Mathematics Education, B.S. Ed.
Senior Year at Northeastern State University

Fall Semester	Spring Semester
MATH 3983 Linear Algebra	MATH 3713 Modern Algebra: Rings
MATH 4713 Teaching Secondary Math	MATH 4723 Senior Seminar
Math Elective (3 hours)	EDUC 4032 Pre-Internship II
Free Elective (1 hour)	EDUC 4353 Secondary Teaching Methods & Practices
Total Credit Hours: 10	Total Credit Hours: 11

Mathematics Education, B.S. Ed.
Senior Year at Northeastern State University

Summer Semester = 3 hrs.
MATH 4613 History of Math

Mathematics Education, B.S. Ed.
Final Semester at Northeastern State University

Fall Semester
EDUC 4064 Secondary Intern Teaching
EDUC 4074 Secondary Intern Teaching
EDUC 4172 Assessment and Evaluation
EDUC 4252 Seminar
Total Credit Hours: 12

Total hours transferred from Tulsa Community college: **64**
Total hours needed from a 4 year university to complete a Bachelor of Science in Mathematics: **60**
Total Degree Plan Hours: 124

For further information, contact Dr. Darryl Linde, Department Chair, Mathematics & Computer Science 918-444-3809, linded@nsuok.edu
https://academics.nsuok.edu/mathematics/InformationforStudents/DegreesandMajors/Undergraduate/BSEMathematicsEducation.aspx