NDSU | NORTH DAKOTA STATE UNIVERSITY

COLLEGE OF HUMAN DEVELOPMENT & EDUCATION
MAJOR: MATHEMATICS EDUCATION
ACADEMIC YEAR: 2013-2014
DEGREE TYPE: B.A. or B.S.
REQUIRED DEGREE CREDITS TO GRADUATE: 122

GENERAL EDUCATION REQUIREMENTS – 40 CREDITS
Lower Division Requirements – 37 Credits
First Year Experience (F) - 1 Credit

HD&E	189	Skills for Academic Success	1 cr

Students transferring in 24 or more credits do not need to take HD&E 189.

Communication (C) - 9 Credits

ENGL	110	College Composition I	3 cr
ENGL	120	College Composition II	3 cr
COMM	110	Fund of Public Speaking	3 cr

Quantitative Reasoning (R) - 3 Credits

MATH	165	Calculus I	4 cr

Science & Technology (S) - 10 Credits
A one-credit lab must be taken as a co-requisite with a general education science/technology course unless the course includes an embedded lab experience equivalent to a one-credit course. Select from current general education courses www.ndsu.edu/registrar/gened/

Humanities & Fine Arts (A) - 6 Credits
Select from current general education courses www.ndsu.edu/registrar/gened/

Social & Behavioral Sciences (B) - 6 Credits
Select from current general education courses www.ndsu.edu/registrar/gened/

Wellness (W) - 2 Credits
Select from current general education courses www.ndsu.edu/registrar/gened/

Cultural Diversity (D)
Select from current general education courses www.ndsu.edu/registrar/gened/

Global Perspectives (G)
Select from current general education courses www.ndsu.edu/registrar/gened/

Upper Division Requirements - Writing – 3 Credits
Select from current general education courses www.ndsu.edu/registrar/gened/

TEACHING SPECIALITY REQUIREMENTS – 43 CREDITS

CSCI	160	Computer Science I	4 cr
MATH	166	Calculus II	4 cr
MATH	265	Calculus III	4 cr
MATH	270	Intro to Abstract Mathematics	3 cr
MATH	374	Special Problems in Math	1 cr
MATH	420	Abstract Algebra I	3 cr
MATH	429	Linear Algebra	3 cr
MATH	440	Axiomatic Geometry	3 cr
MATH	450	Real Analysis I	3 cr
MATH	478	History of Mathematics	3 cr
STAT	367	Probability	3 cr
STAT	368	Statistics	3 cr

Mathematics Courses - 6 Credits
Select two 300-400 level MATH courses approved by the department. MATH 266 may be used as one of these electives.

PROFESSIONAL EDUCATION REQUIREMENTS - 31 CREDITS

EDUC	321	Introduction to Teaching	3 cr
EDUC	322	Educational Psychology	3 cr
EDUC	451	Instructional Planning, Methods & Assessment	3 cr
EDUC	481	Classroom Practice/Methods of Teach I-Math	3 cr
EDUC	485	Student Teaching Seminar	1 cr
EDUC	486	Classroom Management for Diverse Learners	3 cr
EDUC	487	Student Teaching Elementary/Secondary	9 cr
EDUC	488	Applied Student Teaching	3 cr
EDUC	489	Native Americans & Multicultural Instr Prac	3 cr

DEGREE REQUIREMENTS – 7 CREDITS TO REACH 122

Degree Requirements and Notes:
- A GPA of 2.75 or better in the teaching specialty is required for placement in student teaching and exit from the program.
- A grade of 'C' or better is required in all Teaching Specialty requirement courses and the Professional Education requirement courses.
- A GPA of 2.75 or better in professional education as well as passing the appropriate Praxis II exam are required to exit the program.
- Courses taken *Pass/Fail* will not be used to satisfy any requirements other than total credits.
- See School of Education for admission requirements.

Bachelor of Arts (BA) Degree – An additional 6 credits of Humanities and Social Sciences and proficiency at the second year in a modern foreign language are required.