



Department of *Mathematics*

The primary purpose of the mathematics education program at Northland is to prepare students to be effective teachers of mathematics in the secondary school classroom. This purpose is accomplished by revealing the beauty, form, precision, structure, and orderliness that are found within the language of mathematics. We firmly believe that mathematics is a powerful tool by which the Creator reveals Himself to show the complexity, uniformity, and brilliance of the world and universe around us. A secondary objective of the program is to develop essential problem-solving skills within each student. The various disciplines of mathematics teach our students how to think critically and creatively in obtaining mathematically sound solutions.

Program Offered

Bachelor of Science in Mathematics Education

Mathematics Education Courses:

EDU 201	Foundations of Education	3	MAT 202	Calculus II	3
EDU 211	Classroom Communication	3	MAT 211	Linear Algebra	3
EDU 222	Instructional Assessment	2	MAT 212	Problem-Solving Strategies	3
EDU 301	Instructional Techniques—Secondary	3	MAT 301	Calculus III	3
EDU 342	Educational Psychology	3	MAT 312	Probability and Statistics	3
EDU 389	Teaching Practicum	2	MAT 415	Modern Geometry	3
EDU 499	Secondary Supervised Teaching	8	MAT 441	Teaching Secondary Mathematics	3
MAT 101	College Algebra	3	MAT	Elective	3
MAT 102	Transcendental Functions	3			
MAT 201	Calculus I	3			
					TOTAL CREDITS FOR PROGRAM 57

Course Requirements for *Bachelor of Science in Mathematics Education*

Freshman—Fall		
BIB 111	Pentateuch	2
BIB 121	The Gospels	2
ENG 101	Fundamentals of Composition	3
HIS 101	World History I	3
MAT 101	College Algebra	3
PSY 121	Foundations for Biblical Living	2
SPC 101	Fundamentals of Speech I	2
TOTAL		17

Sophomore—Fall		
BIB 211	O.T. Wisdom and Poetic Books	2
CCS 101	Introduction to Cross-Cultural Ministry	2
EDU 201	Foundations of Education	3
EDU 211	Classroom Communication	3
MAT 201	Calculus I	3
MAT 211	Linear Algebra	3
	General Elective	2
TOTAL		18

Junior—Fall		
BIB 221	General Epistles and Revelation	2
EDU 301	Instructional Techniques—Secondary	3
ENG 200	Introduction to Literature	3
MAT 301	Calculus III	3
PHI 301	Christian Worldview	2
THG 301	Systematic Theology I	3
THG 311	Fundamentalism	2
TOTAL		18

Junior—Winter/Spring/Summer		
EDU 389	Teaching Practicum	2

Senior—Fall		
BIB 340	Romans	3
MAT 415	Modern Geometry	3
MAT 441	Teaching Secondary Mathematics	3
THG 401	Systematic Theology III	3
	General Electives	4
TOTAL		16

Freshman—Spring		
BIB 112	Historical Books	2
CIS 100	Basic Computer Skills	2
ENG 102	Composition and Research	3
HIS 102	World History II	3
MAT 102	Transcendental Functions	3
PRT 102	Study of Prayer	2
SPC 102	Fundamentals of Speech II	2
TOTAL		17

Sophomore—Spring		
BIB 122	Acts and Pauline Epistles	2
BIB 212	Major and Minor Prophets	2
EDU 222	Instructional Assessment	2
MAT 202	Calculus II	3
MAT 212	Problem-Solving Strategies	3
PRT 212	Personal Evangelism and Discipleship	2
THG 222	Biblical Hermeneutics	2
TOTAL		16

Junior—Spring		
BIB 440	1 Corinthians	3
MAT 312	Probability and Statistics	3
MAT	Elective	3
PHI 302	The Christian and the Arts	2
PRT 332	Biblical Womanhood or	
PRT 342	Biblical Manhood	2
THG 302	Systematic Theology II	3
TOTAL		16

Senior—Spring		
EDU 342	Educational Psychology	3
EDU 499	Secondary Supervised Teaching	8
SOC 410	Christian Family	2
THG 402	Systematic Theology IV	3
TOTAL		16
TOTAL CREDITS		136

Courses in bold print require a minimum grade of “C-” to satisfy graduation requirements.

Minor in the Department of Mathematics

Course Requirements for *Minor in Mathematics*

MAT	Electives	18
		TOTAL 18