

FOUNDATIONS OF TEACHING & MATHEMATICS EDUCATION (DUAL DEGREE)

Bachelor of Applied Science & Bachelor of Science Checklist

- Review the Program Admission requirements.
- View the General Education Matrix for a complete list of qualifying courses.
- Fulfill the College Degree Requirements in conjunction with this degree plan.
- Consult an Academic Advisor to ensure all academic requirements are met.
- **Note:** The classes listed below are shown in a suggested order, but do not have to be taken in that exact order to fulfill degree requirements.

Summary

Foundation	3
Major	34
General Education	38
Digital Literacy	
Electives	56
Total Credits	131

Degree Plan

Semesters

Course	Title	Credits
Semester 1		
Major		
EDUC 250	Introduction to Education ¹	3
EDUC 298	Pre-Professional Experience ¹	1
EDUC 201	Ethical Foundations of Teaching ¹	2
General Education		
Written Communications		
ENGL 110	College Composition I	3
Business, Math, Science & Technology		
MATH 165	Calculus I	4
Social and Behavioral Science		
PSYC 250	Developmental Psychology	3
Credits		16
Semester 2		
Major		
EDUC 205	Exceptional Learners ²	3
EDUC 206	Diverse Learners Experience ²	2
General Education		
Written Communications		
ENGL 120	College Composition II	3
Social and Behavioral Science		
Select from the following:		3
SOC 235	Cultural Diversity	
SOC 221	Minority Relations	
Electives		
Prescribed Electives		
MATH 166	Calculus II	4

EDUC 249	Intro to VCSU Teacher Ed Program ⁶	1
Credits		16
Semester 3		
Foundation		
PSYC 230	Educational Psychology	3
Major		
EDUC 215	Assisting Reading & Language Arts Instruction ³	2
EDUC 220	Assisting Math Instruction ³	1
EDUC 225	Assisting Academic Instruction Experience ³	2
General Education		
Oral Communications		
COMM 110	Fundamentals of Public Speaking	3
Social & Behavioral Sciences		
GEOG 161	World Regional Geography	3
Electives		
Prescribed Electives		
MATH 265	Calculus III	4
Credits		18
Semester 4		
Major		
EDUC 300	Curriculum and Instruction ⁴	3
EDUC 301	Classroom Management ⁴	3
EDUC 302	Teaching Practicum I ⁴	2
Electives		
Prescribed Electives		
MATH 210	Elementary Statistics	3
MATH 321	Applied Probability & Statistics ⁶	3
Select from the following:		3
MATH 313	Algebra and Functions for Teachers (odd year) ⁶	
MATH 314	Geometry & Trigonometry for Teachers (even year) ⁶	
Credits		17
Semester 5		
Major		
EDUC 310	Educational Assessment ⁵	2
EDUC 313	Collaborative Relationships ⁵	3
EDUC 315	Foundations Capstone Experience ⁵	3
Electives		
Prescribed Electives		
MATH 227	Applied Linear Algebra	3
EDUC 375	Teaching Reading in the Content Area ⁶	2
Select from the following:		3
MATH 410	Real Analysis (odd year or even year) ⁶	
MATH 340	Abstract Algebra (even year) ⁶	
Credits		16
Semester 6		
General Education		
Arts & Humanities		
Select from the "Arts & Humanities" categories on the General Education matrix. ⁷		3
Business, Math, Science & Technology		
CSCI 101	Introduction to Computers	3
Electives		
Prescribed Electives		

MATH 208	Discrete Mathematics	3
MATH 266	Introduction to Differential Equations	3
MATH 400	History & Philosophy of Math (odd year) ⁶	2
Select from the following:		3
MATH 313	Algebra and Functions for Teachers (odd year) ⁶	
MATH 314	Geometry & Trigonometry for Teachers (even year) ⁶	

Credits **17**

Semester 7

General Education

Social and Behavioral Science		
PSYC 111	Introduction to Psychology	3
Business, Math, Science, & Technology		
Select from the "Business, Math, Science, & Technology (Science with Lab Pair)" category on the General Education matrix.		4
BIOL 111 & 111L	Concepts of Biology and Concepts of Biology Lab (Recommended)	

Electives

Prescribed Electives		
MATH 490	Methods of Teaching Secondary Mathematics (even year) ⁶	3
MATH 491	Math Capstone ⁶	1
Select from the following:		3
MATH 410	Real Analysis (odd year or even year) ⁶	
MATH 340	Abstract Algebra (even year) ⁶	
Select from the following:		3
CSCI 122	Beginning Visual Basic	
CSCI 160	Computer Science I	

Credits **17**

Semester 8

Major		
EDUC 210	Educational Technology	2
General Education		
Arts & Humanities		
Select from the following:		3
HIST 103	United States to 1877 ⁷	
HIST 104	United States Since 1877 ⁷	

Electives

Prescribed Electives		
EDUC 480	Student Teaching ⁶	9

Credits **14**

Total Credits **131**

Digital Literacy

Select one of the following:

ENGL 110	College Composition I	
NDUS Institution Approved Training Course		
NDUS Institution Designated Digital Literacy Course		

Footnotes

- ¹ EDUC 298 is a 45-hour field experience in P12 schools, corequisite with EDUC 250 and EDUC 201.
- ² EDUC 206 is a 90-hour field experience in community and P12 schools, corequisite with EDUC 205.
- ³ EDUC 225 is a 90-hour field experience in P12 schools, corequisite with EDUC 215 and EDUC 220.
- ⁴ EDUC 302 is a 90-hour field experience in P12 schools, corequisite with EDUC 300 and EDUC 301.
- ⁵ EDUC 315 is a 135-hour practicum in P12 schools, corequisite with EDUC 310 and EDUC 313.

- ⁶ These courses are taught and completed through Valley City State University. Students must register using the North Dakota University System Collaborative Student Registration process. Contact your advisor for assistance.
- ⁷ To fulfill the 6-credit Arts & Humanities general education requirement, students may use HIST 103 for 3 credits and HIST 104 for the remaining 3 credits. A single course cannot be used to satisfy all 6 credits.