

# Mathematics, Minor

The mathematics minor can be combined with a variety of degrees throughout the university.

## Matriculation Requirements

1. Admitted to a bachelor degree program at UVU

## Program Requirements

Code	Title	Credit Hours
<b>Total Credit Hours</b>		<b>24</b>
<b>Discipline Core Requirements</b>		<b>24</b>
		<b>Credits</b>
MATH 1210 or MATH 121H	Calculus I QL Calculus I QL	4
MATH 1220 or MATH 122H	Calculus II Calculus II	4
MATH 2210 or MATH 221H	Calculus III Calculus III	4
MATH 2270	Linear Algebra	3
MATH 2280	Ordinary Differential Equations	3
Choose at least two mathematics courses from the mathematics courses numbered 3210 and above <sup>1</sup>		6

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Elective courses may NOT include MATH 4030, MATH 4040, or MATH 481R.

## Graduation Requirements

1. To fulfill the requirements for a mathematics minor, students must achieve a minimum GPA of 2.4 for all attempted work in the seven mathematics courses required for the mathematics minor and have no course grade lower than "C" in any of the seven mathematics courses required for the mathematics minor (substitutions may be granted for some elective courses).

NOTE: The 6-credit pairs of courses, MATH 3210 Complex Variables and MATH 3400 Partial Differential Equations, or MATH 4610 Introduction to Numerical Analysis I and MATH 4620 Introduction to Numerical Analysis II, are recommended for students pursuing majors in the physical sciences, engineering, or computer science. Another recommended pair for computer science majors is MATH 3300 Foundations of Abstract Algebra and MATH 4340 Introduction to Number Theory.

## Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

### First Year

Semester	Courses	Credit Hours
<b>Semester 1</b>		
	MATH 1210 or MATH 121H	Calculus I QL or Calculus I QL
		<b>Credit Hours</b>
		<b>4</b>
<b>Semester 2</b>		
	MATH 1220 or MATH 122H	Calculus II or Calculus II
		<b>Credit Hours</b>
		<b>4</b>
<b>Second Year</b>		
<b>Semester 3</b>		
	MATH 2210 or MATH 221H	Calculus III or Calculus III
	MATH 2270	Linear Algebra
		<b>Credit Hours</b>
		<b>7</b>
<b>Semester 4</b>		
	MATH 2280	Ordinary Differential Equations
		<b>Credit Hours</b>
		<b>3</b>

MATH Elective	3
MATH Elective	3
<b>Credit Hours</b>	<b>9</b>
<b>Total Credit Hours</b>	<b>24</b>

## Program Learning Outcomes

1. Knowledge of calculus, differential equations and linear algebra, plus two elective upper division mathematics courses.
2. The ability to communicate mathematics clearly, both verbally and in writing.