

Mathematics, A.S.

The AA and AS mathematics programs are intended to prepare students for the pursuit of a bachelor's degree. Those intending to transfer to other institutions should check transferability of courses with the institutions to which they intend to transfer. Following are the key knowledge, skill and ability goals of the AA and AS mathematics program: Knowledge of calculus, differential equations and linear algebra. The ability to communicate mathematics clearly, both verbally and in writing.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		60
General Education Requirements		36 Credits
ENGL 1010 or ENGL 1005	Introduction to Academic Writing CC Literacies and Composition Across Contexts CC	3
ENGL 2010	Intermediate Academic Writing CC	3
MATH 1210 or MATH 121H	Calculus I QL Calculus I QL	4
Complete one of the following:		3
HIST 2700 & HIST 2710	US History to 1877 AS and US History since 1877 AS (6)	
HIST 1700	American Civilization AS (3)	
HIST 1740	US Economic History AS (3)	
POLS 1000	American Heritage AS (3)	
POLS 1100	American National Government AS (3)	
Complete the following:		
PHIL 2050	Ethics and Values IH	3
HLTH 1100 or EXSC 1097	Personal Health and Wellness TE Fitness for Life TE	2
Distribution Courses:		
Biology		3
Physical Science		3
Additional Biology or Physical Science		3
Humanities Distribution		3
Fine Arts Distribution		3
Social/Behavioral Science		3
Discipline Core Requirements		10 Credits
MATH 1220 or MATH 122H	Calculus II Calculus II	4
Complete 6 credits from the following:		6
MATH 2210 or MATH 221H	Calculus III (4) Calculus III	
MATH 2270	Linear Algebra (3)	
MATH 2280	Ordinary Differential Equations (3)	
MATH 290R	Topics in Mathematics (3-5)	
STAT 2050	Introduction to Statistical Methods (4)	
Elective Requirements		14 Credits
Any course 1000 or higher ¹		14

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MATH 1050 College Algebra QL and MATH 1060 Trigonometry QL are required as prerequisites for MATH 1210 Calculus I QL.

Graduation Requirements

1. Completion of a minimum of 60 semester credits.
2. Overall grade point average of 2.0 (C) or above. (Departments may require a higher GPA.)
3. Residency hours--minimum of 20 credit hours through course attendance at UVU
4. Completion of GE and specified departmental requirements

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 1		Credit Hours
MATH 1210 or MATH 121H	Calculus I QL or Calculus I QL	4
ENGL 1010 or ENGH 1005	Introduction to Academic Writing CC or Literacies and Composition Across Contexts CC	3
Humanities GE		3
Elective		4
Credit Hours		14

Semester 2

MATH 1220 or MATH 122H	Calculus II or Calculus II	4
ENGL 2010	Intermediate Academic Writing CC	3
History GE		3
Elective		4
Credit Hours		14

Second Year

Semester 3

Math Core Elective		4
Physical Science GE		3
PHIL 2050	Ethics and Values IH	3
HLTH 1100 or EXSC 1097	Personal Health and Wellness TE or Fitness for Life TE	2
Elective		4
Credit Hours		16

Semester 4

Math Core Elective		4
Biology GE		3
Additional Science GE		3
Fine Arts GE		3
Social/Behavioral GE		3
Credit Hours		16
Total Credit Hours		60

Program Learning Outcomes

1. Knowledge of calculus, differential equations and linear algebra.
2. The ability to communicate mathematics clearly, both verbally and in writing.