

Statistics, B.S.

Requirements

Total Program Credits: 120

Matriculation Requirements:			
<ol style="list-style-type: none"> Completion of MATH 1210 and MATH 1220 (or equivalent) with an overall GPA of 2.5 or better Student must meet with the math department advisor and declare an intent to major in statistics. 			
General Education Requirements:		39 Credits	
	ENGL 1010	Introduction to Academic Writing	3
or	ENGL 1005	Literacies and Composition Across Context (5.0)	
	ENGL 2010	Intermediate Writing Academic Writing and Research	3
	MATH 1210	Calculus I	5
or	MATH 121H	Calculus I (5.0)	
Complete one of the following:		3	
	HIST 2700	US History to 1877 (3.0)	
and	HIST 2710	US History since 1877 (3.0)	
	HIST 1700	American Civilization (3.0)	
	HIST 1740	US Economic History (3.0)	
	POLS 1000	American Heritage (3.0)	
	POLS 1100	American National Government (3.0)	
Complete the following:			
	PHIL 2050	Ethics and Values	3
	HLTH 1100	Personal Health and Wellness	2
or	PES 1097	Fitness for Life (2.0)	
Distribution Courses:			
	Biology		3
	PHYS 2210	Physics for Scientists and Engineers I (co-requisite lab required) (4.0)	4
	PHYS 2215	Physics for Scientists and Engineers I Lab	1
	One other Biology or Physical Science Distribution		3
	Humanities Distribution		3
	Fine Arts Distribution		3
	Social/Behavioral Science		3
Discipline Core Requirements:		49 Credits	
	MATH 1220	Calculus II	5
or	MATH 122H	Calculus II (5.0)	
	MATH 2210	Calculus III	3
or	MATH 221H	Calculus III (3.0)	
	MATH 2270	Linear Algebra	3
	STAT 2050	Introduction to Statistical Methods	4
	STAT 2060	Introduction to Statistical Computing	1
	STAT 4000	Applied Regression and Time Series WE	3
	STAT 4100	Design of Experiment	3
	STAT 4400	Multivariate Analysis WE	3

	STAT 4710	Mathematical Statistics-Probability and Statistics	3
	STAT 4720	Mathematical Statistics-Statistical Inference	3
Complete three of the following:			9
	STAT 4200	Survey Sampling (3.0)	
	STAT 4300	Stochastic Processes (3.0)	
	STAT 4500	Nonparametric Statistics (3.0)	
	STAT 4600	Statistical Process Control (3.0)	
Complete 9 hours of upper level MATH or STAT courses			9
Elective Requirements:			32 Credits
Complete 9 credits of upper division electives ¹			9
Complete 23 credits of upper or lower division electives ¹			23

Graduation Requirements:

- Completion of a minimum of 120 semester credits with at least 40 credit hours in upper-division courses.
- Overall grade point average of 2.0 (C) or above, a minimum GPA of 2.4 in all MATH and STAT courses listed above, with no grade lower than a "C" in all listed MATH and STAT courses (substitutions may be granted for some elective courses).
- Residency hours- minimum of 30 credit hours through course attendance at UVU, with at least 10 hours earned in the last 45 hours.
- Completion of GE and specified departmental requirements.
- Complete an exit survey administered by the Mathematics Department Advisor.
- Successful completion of at least one Global/Intercultural course.

Footnotes:

¹ Elective courses may NOT include MATH 3100, MATH 3200, MATH 3010, MATH 3030, MATH 4030, or MATH 4040.

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Statistics, B.S. 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](#).

Milestone courses (pre-requisites for a course in one of the subsequent semesters) are marked in red and *Italicized*.

Semester 1	Course Title	Credit Hours
<i>MATH 1210*</i> <i>or MATH 121H</i>	Calculus I	5
<i>STAT 2050*</i>	Intro to Statistical Methods	4
Humanities GE	Humanities GE (PHIL 1250 recommended)	3
<i>ENGL 1010 or ENGH 1005</i>	Intro to Writing GE or Literacies and Composition Across Contexts	3
	Semester total:	15
Note:*Additional pre-requisites may be required (MATH 1050 and MATH 1060)		
Semester 2	Course Title	Credit Hours
<i>MATH 1220 or MATH 122H</i>	Calculus II	5
PHYS 2210/2215	Physics for Scientists and Engineers I (and lab)	5
STAT 2060	Intro to Statistical Computing	1
Elective	Elective (any course numbered 1000 or higher)	4
Elective	Elective (any course numbered 1000 or higher)	1
	Semester total:	16
Semester 3	Course Title	Credit Hours
<i>MATH 2210 or MATH 221H</i>	Calculus III	3
ENGL 2010	Intermediate Writing	3
PHIL 205G	Ethics and Values GE and GI requirement	3
Elective	Elective (any course numbered 1000 or higher)	3
Elective	Elective (any course numbered 1000 or higher)	3
	Semester total:	15
Semester 4	Course Title	Credit Hours
<i>MATH 2270</i>	Linear Algebra	3
History GE	American Institutions (Choose from list)	3
Biology GE	Biology GE	3
Elective	Elective (MATH 2280 recommended)	3
Upper Division Elective	Upper Division Elective (any course numbered 3000 or higher)	3
	Semester total:	15
Semester 5	Course Title	Credit Hours
<i>STAT 4710</i>	Mathematical Statistics-Probability and Statistics	3
MATH/STAT Elective	*see notes below	3
MATH/STAT Elective	*see notes below	3

Fine Arts GE	Fine Arts GE	3
Elective	Elective (any course numbered 1000 or higher)	3
	Semester total:	15
Semester 6	Course Title	Credit Hours
STAT 4000	Applied Regression and Time Series WE	3
STAT 4720	Mathematical Statistics-Statistical Inference	3
MATH/STAT Elective	*see notes below	3
Social/Behavioral GE	Social/Behavioral GE	3
HLTH 1100 or PES 1097	Personal Health or Fitness for Life GE	2
	Semester total:	14
Semester 7	Course Title	Credit Hours
STAT 4100	Design of Experiment	3
MATH/STAT Elective	*see notes below	3
MATH/STAT Elective	*see notes below	3
Additional Science GE	Additional Science GE (Physical Science or Biology)	3
Elective	Elective (any course numbered 1000 or higher)	3
	Semester total:	15
Semester 8	Course Title	Credit Hours
STAT 4400	Multivariate Analysis WE	3
MATH/STAT Elective	*see notes below	3
Upper Division Elective	Upper Division Elective (any course numbered 3000 or higher)	3
Upper Division Elective	Upper Division Elective (any course numbered 3000 or higher)	3
Elective	Elective (any course numbered 1000 or higher)	3
	Semester total:	15
Notes: *MATH/STAT Electives. Must complete at least three of STAT 4200, STAT 4300, STAT 4500, STAT 4600. Other credits must be any MATH credit numbered 3100 or higher.		
	Degree total:	120