

Mathematics/Sciences, BA/BS



University of Wyoming, 2016-17

The Mathematics/Sciences bachelor's degree is a distributed major in the College of Arts and Sciences. It is designed for students with a broad interest in the organization, analysis, and application of measurement (mathematics, statistics) or the sciences, or both. The degree is organized as a multidisciplinary program with a list of appropriate courses approved by participating departments and programs. For the major, students selected four core areas of focus and plan a course of study to prepare for a variety of professional and career interests.

Freshman Fall Semester	Hrs	Min	Grade	Notes
USP Communication 1	3		C	C1
USP First-Year Seminar	3		C	FY
USP Quantitative Reasoning	3			Q
1-4 Areas of Emphasis Course *	3		C	
1-4 Areas of Emphasis Course *	3		C	
Credit hours subtotal:	15			

Freshman Spring Semester	Hrs	Min	Grade	Notes
USP Physical & Natural World	3			PN
USP US & Wyoming Constitutions	3			V
1-4 Areas of Emphasis Course *	3		C	
1-4 Areas of Emphasis Course *	3		C	
1-4 Areas of Emphasis Course *	3		C	
Credit hours subtotal:	15			

Sophomore Fall Semester	Hrs	Min	Grade	Notes
USP Communication 2	3		C	C2
USP Physical & Natural World	3			PN
A&S Core Diversity in the US	3			ASD
1-4 Areas of Emphasis Course *	3		C	
1-4 Areas of Emphasis Course *	4		C	
Credit hours subtotal:	16			

Sophomore Spring Semester	Hrs	Min	Grade	Notes
USP Human Culture	3			H
A&S Core Global Awareness	3			ASG
1-4 Areas of Emphasis Course *	4		C	
1-4 Areas of Emphasis Course *	4		C	
Credit hours subtotal:	14			

This is a guide for course work in the major; actual course sequence may vary by student. Please refer to the online student degree evaluation, and consult with an academic advisor. • Not all courses are offered every semester and some electives may have prerequisites. Students should review the course descriptions in the *University Catalog* and consult with their academic advisor to plan accordingly.

University of Wyoming requirements:

Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U. • University Studies Program (USP) Human Culture (H) and Physical & Natural World (PN) courses must be taken outside of the major subject, but can be cross-listed with the major.

College of Arts and Sciences requirements:

Students must take two "core" courses in addition to the USP requirements: Diversity in the United States (ASD) and Global Awareness (ASG). • No more than 60 hours in the major subject may be used toward the 120 credit hours required for graduation. • At least 30 hours in the major subject must be completed with a grade of C or better (the major may require more).

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Junior Fall Semester	Hrs	Min Grade	Notes
USP Human Culture	3	H	
1-4 Areas of Emphasis Course *	4	C	
Math/Science Elective *	3	C	
Electives	6		
Credit hours subtotal:	16		

Junior Spring Semester	Hrs	Min Grade	Notes
Math/Science Elective *	3	C	
Math/Science Elective *	3	C	
Electives	9		
Credit hours subtotal:	15		

Senior Fall Semester	Hrs	Min Grade	Notes
USP Communication 3	3	C C3	
Math/Science Elective *	3	C	
Math/Science Elective *	3	C	
Electives	6		
Credit hours subtotal:	15		

Senior Spring Semester	Hrs	Min Grade	Notes
Upper Division Electives	15		
Credit hours subtotal:	15		

TOTAL CREDIT HOURS: 121

Mathematics/Sciences Program Notes:

The 48 content hours for this major must be earned in at least four (4) of the following core areas: Anthropology, Biology, Botany, Chemistry, Geography, Geology/Geophysics, Mathematics, Physics/Astronomy, Psychology, Statistics, and Zoology/Physiology. • One (1) of the four (4) core areas may be outside of the College of Arts and Sciences with the approval of an academic advisor and the A&S Dean's Office. • All of the 48 required hours in the major must be a grade of C or better. • At least 24 hours of upper-division coursework (3000-level and above) in the major must be earned in at least three (3) of the core areas (a minimum of three [3] hours in each of the three [3] areas). These hours count toward the 42 hours of upper-division credits required by UW. • At least 12 hours applied toward a minor must be from courses outside an area of emphasis.

*A list of approved courses can be found at www.uwyo.edu/as/_files/checklists/masc-fall-2015-course-list.pdf#masc-2015