Mathematics, BS

FALL						SPRING				
Course Number	**Course Title**	**USP**	**CR**	**Min Grade**	**Grade**	**Course Number**	**Course Title**	**USP**	**CR**	**Min Grade**	**Grade**

FRESHMAN YEAR

Course Number	Course Title	USP	CR	Min Grade	Grade	Course Number	Course Title	USP	CR	Min Grade	Grade
MATH 2200	**Calculus I**	Q	4	C		**MATH 2800**	**Math Major Seminar**		2	S	
Prerequisite:	*C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640*					*Prerequisite:*					
	USP: Communications I	C1	3	C		**MATH 2205**	**Calculus II**	Q	4	C	
Prerequisite:	*None*					*Prerequisite:*	*C in Math 2200*				
	FYS or USP Elective	FYS	3	C			**USP: Phys & Nat World**	PN	3	D	
Prerequisite:	*Varies*					*Prerequisite:*	*Varies*				
	USP: Human Culture	H	3	C			**USP: Human Culture**	H	3	D	
Prerequisite:	*None*					*Prerequisite:*	*Varies*				
	General Elective		3	D			**USP: Communications II**	C2	3	C	
Prerequisite:	*Varies*					*Prerequisite:*	*C in C1*				
	Total		**16**				**Total**		**15**		

SOPHOMORE YEAR

Course Number	Course Title	USP	CR	Min Grade	Grade	Course Number	Course Title	USP	CR	Min Grade	Grade
MATH 2210	**Calculus III**		4	C		**MATH 2310**	**Applied Diff Equations**		3	C	
Prerequisite:	*C in MATH 2205*					*Prerequisite:*	*C in MATH 2205*				
MATH 2250	**Elementary Linear Algebra**		3	C			**USP: US & WY Constitution**	V	3	D	
Prerequisite:	*C in MATH 2200 or MATH 2350*										
	USP: Phys & Nat World	PN	3	D			**General Elective**		3	C	
Prerequisite:	*Varies*										
	General Elective		3	D			**General Elective**		3	D	
	General Elective		3	D			**General Elective**		3	D	
	Total		**16**				**Total**		**15**		

JUNIOR YEAR

Course Number	Course Title	USP	CR	Min Grade	Grade	Course Number	Course Title	USP	CR	Min Grade	Grade
MATH 3205	**Analysis I: Elem Real Analysis**		3	C		**MATH 3340**	**Scientific Computing**		3	C	
Prerequisite:	*C in MATH 2205 and MATH 2800*					*Prerequisite:*	*C in MATH 2210*				
MATH 3500	**Algebra I: Intro Rings and Proofs**		3	C		**MATH**	**Upper Div Math Elec**		3	C	
Prerequisite:	*C in MATH 2250 or concurrent enrollment, and MATH 2800*					*Prerequisite:*	*Varies*				
	General Elective		3	D			**General Elective**		3	D	
	General Elective		3	D			**General Elective**		3	D	
	General Elective		3	D			**General Elective** (*if necessary*)		1	D	
	Total		**15**				**Total**		**13**		

SENIOR YEAR

Course Number	Course Title	USP	CR	Min Grade	Grade	Course Number	Course Title	USP	CR	Min Grade	Grade
MATH	**Depth Course ***		3	C		**MATH**	**Upper Div Math Elective**		3	C	
Prerequisite:	*Varies*					*Prerequisite:*	*Varies*				
MATH	**Upper Div Math Elec**		3	C		**MATH**	**Upper Div Math Elective**		3	C	
Prerequisite:	*Varies*					*Prerequisite:*	*Varies*				
MATH	**Upper Div Math Elec**		3	C			**Upper Div Elective**		3	D	
Prerequisite:	*Varies*					*Prerequisite:*	*Varies*				
	Upper Div Elective		3	D			**Upper Div Elective**		3	D	
Prerequisite:	*Varies*					*Prerequisite:*	*Varies*				
	USP: Communications III	C3	3	C			**Upper Div Elective**		3	D	
Prerequisite:	*C in C2*					*Prerequisite:*	*Varies*				
	Total		**15**				**Total**		**15**		

Total Program Credits: **120**

- A minimum of 120 hours is required. A minimum of 42 hours must be upper division.
- All MATH and STAT courses require a minimum grade of C.
- Depth course: Choose one of MATH 4200, MATH 4205, MATH 4510, MATH 4520, MATH 4340 OR MATH 4440
- General Electives cannot meet any other requirement for the major, and should be selected to satisfy the 42-credit upper division requirement.
- MATH 4200 and MATH 4510 are USP C3 courses. If one of these is completed, an additional upper division elective may be taken instead of a separate C3 course.
- Degree candidates must meet the academic requirements of the university.

2023-2024 Catalog Year