Mathematics, BS

College of Engineering and Physical Sciences — UW

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

FRESHMAN YEAR

FALL						SPRING					
MATH 2200	Calculus I	Q	4	C		MATH 2485	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

FALL						SPRING					
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	D	
Prerequisite:	Varies										
	General Elective		3	D			General Elective		3	D	
	General Elective		3	D			General Elective		3	D	
	Total		**16**				**Total**		**15**		

JUNIOR YEAR

FALL						SPRING					
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

FALL						SPRING					
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.