	51009	BS				A UW
course s	equeno	ce may v	an is a guide, to be used for planning in co vary by student. A ▲ symbol identifies cours ay on track toward completing the degree progr	es that n	nust be	taken and passed during the suggested semester
Sequence	Course Prefix	Course Number	Course Title	Credit Hours	Min Grade	Notes
Fresh	man I	Fall Se	emester			
			USP First-Year Seminar	3	С	FY
	CHEM	1020	General Chemistry I ¹	4		PN. CHEM 1020 is a recommended course;
						may take other PN courses.
	MATH	2200	Calculus I ¹	4	С	Q
	PHYS	1210	Engineering Physics I ²	4		Can substitute PHYS 1310 (College Physics I).
			Credit hours subtotal:	<u>15</u>		
Freshi	man S	Spring	Semester			
			USP Communication 1	3	С	C1
			USP Physical & Natural World	4		PN
	MATH	2205	Calculus II	4	С	
	PHYS	1220	Engineering Physics II ³	4		Can substitute PHYS 1320 (College Physics II).
			Credit hours subtotal:	<u>15</u>		
Sopho	more	Fall S	Semester			
-			USP Communication 2	3	С	C2
	PHYS	3000	Methods of Physics	4		
	MATH	2210	Calculus III	4		
	PHYS	2310	Physics III: Waves and Optics	4		Offered fall semester.
			Credit hours subtotal:	<u>15</u>		
Sopho	more	Sprin	g Semester			
			USP Human Culture ⁴	3		Н
			USP US & Wyoming Constitutions	3		V
	MATH	2250	Elementary Linear Algebra	3		
	PHYS	2320	Physics IV: Modern Physics	3		Offered spring semester.
	PHYS	4210	Classical Mechanics I	3		Offered spring semester.
			Credit hours subtotal:	<u>15</u>		-

This sample degree plan is a guide for course work in the major. • Course sequencing may need to be altered if ACT, SAT or Math Placement scores require a student to take pre-college courses before taking required math or English courses. • Not all courses are offered every semester and some electives may have prerequisites. Students should review 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 UW's University Studies Program 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).

Notes continued on next page(s).

						The w
Cou quence Pref		Course Number	Course Title	Credit Hours	Min Grade	Notes
nior F	all S	Seme	ster			
MA	TH	2310	Applied Differential Equations I	3		
PHY	(S	3640	Modern Electronics & Exper Technique	4		Offered fall semester.
PHY	ζS	4310	Quantum Mechanics	3		Offered fall semester.
PHY	(S	4410	Electricity and Magnetism I	3		Offered fall semester.
			Elective	3		
			Credit hours subtotal:	<u>16</u>		
nior S	orir	ng Sei	nester			
PHY	-	4830	Mathematical and Computational Physics I	3		Offered spring semester.
PHY	(S	3650	Advanced Lab/Modern Physics & Electronics	4	С	C3. Offered spring semester.
PHY	ζS	4420	Electricity and Magnetism II	3		Offered spring semester.
PHY	ζS	4840	Mathematical and Computational Physics II	4		Offered every other spring semester.
			Upper Division Elective	3		
			Credit hours subtotal:	<u>17</u>		
nior Fa	all S	Semes	ster			
			A&S Core Global Awareness	3		ASG
			USP Human Culture ⁴	3		Н
PHY	(S	4510	Thermodynamics and Statistical Mechanics	3		Offered fall semester.
			Upper Division Elective	3		Recommend PHIL 3140 (Philosophy of Science); ma take this semester or another based on course offerin
			Elective	3		
			Credit hours subtotal:	<u>15</u>		
nior Sj	orin	ng Ser	nester			
		8	Elective	3		
			A&S Core Diversity in the US	3		ASD
			Upper Division Physics Elective	3		Substitute PHYS 4840 if not taken spring of junior ye
			Upper Division Elective	3		Recommend PHYS 4350 (Advanced Quantum Mechanics).
			Credit hours subtotal:	<u>12</u>		
			TOTAL CREDIT HOURS	<u>120</u>		
		ram no				

equivalencies: http://www.uwyo.edu/mathstats/math-placement/.

² For declared physics majors, the prerequisite of MATH 2200 is waived and concurrent enrollment is approved.

³ For declared physics majors, the prerequisite of MATH 2205 is waived and concurrent enrollment is approved.

⁴ Students are strongly encouraged to enroll in Human Culture requirement courses that correspond to the College of Arts & Sciences Core required US Diversity (ASD) and Global Awareness (G) electives or else they will have to take separate ASD and ASG courses. A list of ASD & ASG courses that transfer is available.

If intending to apply to graduate school, students should take the physics GRE by fall semester of the senior year.