

Natural Sciences (Physics Conc.), AS



Laramie County Community College

FRESHMAN YEAR

Fall Semester			Hrs	Spring Semester			Hrs
COLS	1000	Introduction to College Success: FYS	3	CHEM	1030	General Chemistry II ¹	4
MATH	2200	Calculus I ¹	4	MATH	2205	Calculus II ¹	4
CHEM	1020	General Chemistry I ¹	4	ENGL	1010	English I: Composition ¹	3
		U.S./ Wyoming Constitution Course	3	PHYS	1310	College Physics I ¹	4
TOTAL			<u>14</u>	TOTAL			<u>15</u>

SOPHOMORE YEAR

Fall Semester			Hrs	Spring Semester			Hrs
ES	1060	Introduction to Engineering Computing ¹	3	COSC	1010	Introduction to Computer Science ¹	4
PHYS	1320	College Physics II ¹	4	MATH	2310	Applied Differential Equations ¹	3
MATH	2210	Calculus III ¹	4	STAT	2050	Fundamentals of Statistics ¹	4
MATH	2250	Elementary Linear Algebra ¹	3	ENGL	2020	Introduction to Literature ¹	3
CO/M	2010	Public Speaking ¹	3			Cultural Awareness ²	3
TOTAL			<u>17</u>	TOTAL			<u>17</u>

TOTAL LCCC AA DEGREE HOURS 63

Successful completion of the 2+2 plan requires that a student remain continuously enrolled and graduate with the associate's degree from his or her respective community college. • 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. • Not all courses are offered every semester and some electives may have prerequisites. Students should review the course descriptions in the catalogs of their respective institutions and consult with their academic advisor to plan accordingly. • Academic plans and course schedules may need to be altered if ACT or Math Placement scores require a student to take pre-college courses (e.g., MATH 0900, 0921, or 0925) before taking required math or English courses.

Laramie County Community College requirements:

In order to graduate, students must successfully complete a minimum of 60 credit hours, 15 of which must be from Laramie County Community College, with a grade point average of 2.0 or better at course level of 1000 or higher (ENGL 1001 does not apply).

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.

LCCC Program Notes:

¹ Check the course description section of the catalog to see the course prerequisites

² Choose from following Cultural Awareness (CA) courses: ANTH 1200, GEOG 1000, or GEOG 1020. These course options meet the LCCC CA requirement and the UW College of Arts & Sciences Global Awareness (ASG) requirement.

Physics, BS



University of Wyoming

JUNIOR YEAR

Fall Semester			Hrs	Spring Semester			Hrs	
PHYS	2310	College Physics III	4	PHYS	2320	College Physics IV	3	
PHYS	3640	Modern Electronics	4	PHYS	3650	Advanced Lab	4	
		A&S Diversity in the US	ASD	3	PHYS	4210	Classical Mechanics I	3
		Elective		2	PHYS	4830	Math & Comp I	3
					3000+	Upper Division Elective	3	
TOTAL			<u>13</u>	TOTAL			<u>16</u>	

SENIOR YEAR

Fall Semester			Hrs	Spring Semester			Hrs
PHYS	4310	Quantum Mechanics I	3	PHYS	4420	Electricity & Magnetism II	3
PHYS	4410	Electricity & Magnetism I	3	3000+		Phys Elective	3
PHYS	4510	Thermo & Statistical Mechanics	3			Elective	3
3000+		Phys Elective	3	PHYS	4840	Math & Comp II	4
		Elective	3	3000+		Upper Division Elective	3
TOTAL			<u>15</u>	TOTAL			<u>16</u>
						TOTAL UW HOURS	<u>60</u>
						TOTAL UW BA DEGREE HOURS	<u>123</u>

UW College of Arts and Sciences requirements:

Students in the College of Arts and Sciences must take two "core" courses: 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).