

Engineering, AS

(leading to UW Petroleum Engineering, BS)



Central Wyoming College

FRESHMAN YEAR

Fall Semester			Hrs	Spring Semester			Hrs
		Writing Level I	3			Humanities/Arts/Social & Behavioral Sciences	3
		University Studies (FY)	1			Writing Level II	3
CHEM	1020	General Chemistry I	4	CHEM	1030	General Chemistry II	4
ES	1060	Intro to Engineering Problem Solving ¹	3	ES	2110	Statics	3
MATH	2200	Calculus I	5	MATH	2205	Calculus II	5
TOTAL			<u>16</u>	TOTAL			<u>18</u>

SOPHOMORE YEAR

Fall Semester			Hrs	Spring Semester			Hrs
		Humanities/Arts/Social & Behavioral Sciences	3			Oral Requirement	3
POLS	1000	American & Wyoming Government	3	ES	2310	Thermodynamics	3
ES	2120	Dynamics	3	ES	2330	Fluid Dynamics	3
MATH	2210	Calculus III	5	GEOL	1110	Physical Geology	4
MATH	2310	Differential Equations	3	PHYS	1320	Physics II	4
TOTAL			<u>17</u>	TOTAL			<u>17</u>
TOTAL CWC AS DEGREE HOURS							<u>68</u>

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.

Central Wyoming College requirements:

In order to graduate, students must successfully complete a minimum of 60 credit hours, with a minimum of 15 of the final 30 degree credits from Central Wyoming College. • All courses must be college-level courses as indicated by a number of 1000 or above. • A cumulative grade point average of 2.0 or better is required in all hours completed at CWC and in those courses required for graduation in a student's prescribed program. • A minimum of 2.0 (C) is required in general education course requirements and program requirements in the student's program of study. • An S/U graded course will not accepted to fulfill a general education or program requirement unless the course is offered S/U only.

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. • The USP Communication 3 (C3) requirement must be completed with a grade of C or better.

College of Engineering and Applied Science Notes:

Students must have a minimum cumulative GPA of 2.0 in all engineering courses for graduation. • A grade of C or higher is required for all prerequisite courses. • Students must also achieve a grade of C or better in all required mathematics courses.

CWC Program Note:

1) ES 1060 at CWC is equivalent to PETE 1060 at UW for this plan.

Petroleum Engineering, BS



University of Wyoming

SUMMER SEMESTER

PETE 2050 Fundamentals of Petroleum Engineering 3

TOTAL 3

JUNIOR YEAR

Fall Semester				Hrs	Spring Semester				Hrs
ES	2410	Mechanics of Materials		3			Technical Electives		3
PETE	3025	Heat & Mass Transfer		3	PETE	3200	Reservoir Engineering		3
PETE	2060	Intro to Petroleum Engineering Computing		3	PETE	3265	Drilling Fluids Laboratory		3
PETE	3015	Multicomponent Thermodynamics		3	PETE	3715	Production Engineering		3
PETE	3255	Basic Drilling Engineering		3	PETE	3725	Well Bore Operations		3
PETE	3100	Rock & Fluid Lab		2	PETE	4320	Well Log Interpretation		3
TOTAL				<u>17</u>	TOTAL				<u>18</u>

SENIOR YEAR

Fall Semester				Hrs	Spring Semester				Hrs
PETE	4225	Well Test Analysis		3	GEOL	4190	Petroleum Geology		3
PETE	4340	Petroleum Economics		3	PETE	4736	Petroleum Engineering Design	C3	4
		Technical Electives ²		9	CHEM	2300	Introduction to Organic Chemistry		4
							Technical Electives ²		3
TOTAL				<u>15</u>	TOTAL				<u>14</u>
								TOTAL UW HOURS	<u>67</u>
								TOTAL UW BS DEGREE HOURS	<u>135</u>

UW Petroleum Engineering Program Notes:

Petroleum Engineering degree candidates must have a GPA of at least 2.0 in Petroleum Engineering courses attempted at UW in order to be applied toward graduation for the BS degree. • A grade of C or better is required in all engineering science courses, PETE 1060, and PETE 2050.

2) Technical Electives must be selected with an advisor's approval. • They can be used to take a concentration or a minor. • A minimum of 9 of the required 15 hours must be taken at the upper division level in order to meet the 48 hour requirement. • Additional information about concentrations/minors and available courses can be found in the Petroleum Engineering Academic Advising Guide, found at <http://www.uwyo.edu/petroleum/undergraduate/current-students/advising%20information/>

Transfer Credit Limit:

To graduate with a degree in Petroleum Engineering from UW, students must successfully complete at least 20 hours of required PETE courses from the University of Wyoming. • Once a student has transferred to Petroleum Engineering, s/he may take no more than 9 additional transfer credits at other institutions.