### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall Semester</th>
<th>Hrs</th>
<th>Spring Semester</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing Level I</td>
<td>3</td>
<td></td>
<td>Humanities/Arts/Social &amp; Behavioral Sciences</td>
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<tr>
<td>University Studies (FY)</td>
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<td>Writing Level II</td>
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<tr>
<td>CHEM 1020: General Chemistry I</td>
<td>4</td>
<td>CHEM 1030: General Chemistry II</td>
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<tr>
<td>ES 1060: Intro to Engineering Problem Solving</td>
<td>3</td>
<td>ES 2110: Statics</td>
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<tr>
<td>MATH 2200: Calculus I</td>
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<td>MATH 2205: Calculus II</td>
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<td><strong>TOTAL</strong></td>
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<td><strong>TOTAL</strong></td>
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</table>

### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall Semester</th>
<th>Hrs</th>
<th>Spring Semester</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities/Arts/Social &amp; Behavioral Sciences</td>
<td>3</td>
<td>Oral Requirement</td>
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<tr>
<td>POLS 1000: American &amp; Wyoming Government</td>
<td>3</td>
<td>ES 2310: Thermodynamics</td>
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<td>ES 2120: Dynamics</td>
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<td>ES 2330: Fluid Dynamics</td>
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<tr>
<td>MATH 2210: Calculus III</td>
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<td>GEOL 1110: Physical Geology</td>
<td>4</td>
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<tr>
<td>MATH 2310: Differential Equations</td>
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<td>PHYS 1320: Physics II</td>
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</tr>
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<td><strong>TOTAL</strong></td>
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<td></td>
<td><strong>TOTAL</strong></td>
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</tbody>
</table>

**TOTAL CWC AS DEGREE HOURS**: 68

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.
## JUNIOR YEAR

### Fall Semester
- **ES** 2410 Mechanics of Materials 3
- **PETE** 3025 Heat & Mass Transfer 3
- **PETE** 2060 Intro to Petroleum Engineering Computing 3
- **PETE** 3015 Multicomponent Thermodynamics 3
- **PETE** 3255 Basic Drilling Engineering 3
- **PETE** 3100 Rock & Fluid Lab 2

### Spring Semester
- Technical Electives 3
- **PETE** 3200 Reservoir Engineering 3
- **PETE** 3265 Drilling Fluids Laboratory 3
- **PETE** 3715 Production Engineering 3
- **PETE** 3725 Well Bore Operations 3
- **PETE** 4320 Well Log Interpretation 3

### TOTAL 17

## SENIOR YEAR

### Fall Semester
- **PETE** 4225 Well Test Analysis 3
- **PETE** 4340 Petroleum Economics 3
- **CHEM** 2300 Introduction to Organic Chemistry 9

### Spring Semester
- **GEOL** 4190 Petroleum Geology 3
- **PETE** 4736 Petroleum Engineering Design C3 4
- Technical Electives 2

### TOTAL 15

## TOTAL UW HOURS 67

## TOTAL UW BS DEGREE HOURS 135

### 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/](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.