**PETROLEUM ENGINEERING, BSPE**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>USP</th>
<th>CR</th>
<th>Min Grade</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>CHEM 1020</td>
<td>General Chemistry I</td>
<td>PN</td>
<td>4</td>
<td>D</td>
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<tr>
<td>Prerequisite:</td>
<td>Act Math 23 or concurrent. MATH 1400, 1405 or 1450</td>
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<tr>
<td>GEOL 1100</td>
<td>Physical Geography</td>
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<tr>
<td>MATH 2200</td>
<td>Calculus I</td>
<td>Q</td>
<td>4</td>
<td>C</td>
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<td>Prerequisite:</td>
<td>C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640</td>
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<tr>
<td>PETE 1060</td>
<td>Intro Petro Engr Prob</td>
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<tr>
<td>Prerequisite:</td>
<td>Concurrent MATH 2200</td>
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**USP: First Year Seminar**

**USP: US & Wyo Const.**

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<tbody>
<tr>
<td>CHEM 1030</td>
<td>General Chemistry II</td>
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<tr>
<td>ES 2110</td>
<td>Statics</td>
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<tr>
<td>Prerequisite:</td>
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<tr>
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<td>Prerequisite:</td>
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<tr>
<td>PETE 1060</td>
<td>Intro Petro Engr Prob</td>
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<td>Prerequisite:</td>
<td>Concurrent MATH 2200</td>
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**USP: Communications I**

**Fall only or spring only course**

- **SOPHOMORE YEAR**
  - MATH 2210 Calculus III
  - Prerequisite: C in Math 2205
  - 4 C
  - PETE 2050 Fundamentals Pet. Engr
  - Prerequisite: C in MATH 2205 and PETE 1060
  - 3 C
  - ES 2100 Thermodynamics
  - Prerequisite: C in MATH 2210 and ES 2120
  - 3 C
  - ES 2130 Fluid Dynamics
  - Prerequisite: C in MATH 2110 and ES 2120
  - 3 C
  - CHEM 2300 Intro Organic Chem
  - Prerequisite: D in CHEM 1020
  - 4 D
  - COJO 2010 Public Speaking
  - Prerequisite: C in C1
  - C2
  - Total 16
  - Total 17

- **JUNIOR YEAR**
  - PETE 2060 Petroleum Engr
  - Prerequisite: C in PETE 1060, concurrent in MATH 2310
  - 3 D
  - PETE 3025 Heat and Mass Transfer
  - Prerequisite: C in MATH 2300 and MATH 2310
  - 3 D
  - PETE 3100 Rock & Fluids Lab
  - Prerequisite: C in PETE 2050
  - 2 D
  - PETE 3255 Basic Drilling Engineering
  - Prerequisite: C in PETE 2050
  - 3 D
  - PETE 3015 Multicomponent Thermo
  - Prerequisite: C in MATH 2310, concurrent in PETE 2060
  - 3 D
  - USP: Human Culture
  - H
  - Total 17
  - Total 15

- **SENIOR YEAR**
  - PETE 4225 Well Test Analysis
  - Prerequisite: D in PETE 3200
  - 3 D
  - PETE 4340 Petroleum Economics
  - Prerequisite: D in PETE 3200
  - 3 D
  - PETE Technical Elective
  - 3 D
  - PETE Technical Elective
  - 3 D
  - GEOL Technical Elective
  - 3 D
  - Total 15
  - Total 16

**Total Program Credits: 129**

- A minimum of 129 hours is required.
- A minimum of 48 hours must be upper division.
- 30 hours of upper division must be from UW.
- 15 credits of Technical Electives required.
- 13 credits of Technical Electives must be upper division.
- Technical electives must be selected with advisor's approval from Department list or Department documented approval.
- Degree candidates must meet the academic requirements of the university, and must have a minimum GPA of 2.0 in all engineering courses, and a minimum GPA of 2.0 in all PETE courses attempted at UW.
- Students may not take a course for S/U credit to satisfy any requirement for a degree from the College of Engineering and Applied Science, unless the course is offered for S/U credit only.
- Students must complete 20 credit hours of required PETE courses at UW. Transfer students may only transfer nine additional credits once they have matriculated at UW. Non-transfer students may only transfer 18 credits from other institutions.

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2022-2023 Catalog Year