PETROLEUM ENGINEERING, MS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about Graduate College Academic Regulation 7.0 (http://catalog.okstate.edu/graduate-college).

Total Hours: 30 Hours

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PETE 5313</td>
<td>Advanced Drilling Modeling and Simulation</td>
<td>3</td>
</tr>
<tr>
<td>PETE 5333</td>
<td>Advanced Production and Flow Assurance</td>
<td>3</td>
</tr>
<tr>
<td>PETE 5373</td>
<td>Advanced Well Stimulation</td>
<td>3</td>
</tr>
<tr>
<td><strong>Hours Subtotal</strong></td>
<td></td>
<td><strong>9</strong></td>
</tr>
<tr>
<td>Thesis</td>
<td>PETE 5000 Master's Thesis</td>
<td>6</td>
</tr>
<tr>
<td><strong>Hours Subtotal</strong></td>
<td></td>
<td><strong>6</strong></td>
</tr>
<tr>
<td>Electives</td>
<td>Graduate-approved elective (PETE or other) courses, selected by the student with approval of the student's advisor.</td>
<td>15</td>
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</tbody>
</table>

Suggested Elective Courses

**Petroleum Engineering (PETE) Courses**
- PETE 5303 Petroleum Geomechanics
- PETE 5343 Advanced Reservoir Engineering
- PETE 5363 Petroleum Economics and Investments
- PETE 5413 Advanced Well Design and Operational Analysis
- PETE 5513 Directional Drilling
- PETE 5613 Advanced Well Completions

**Mathematics (MATH) and Statistics (STAT) Courses**
- 5000-level advanced mathematics courses as approved by advisor
- 5000-level advanced statistics courses as approved by advisor

**Other courses**
- Any 4000-level course in PETE, MATH and STAT must be pre-approved by advisor as part of the plan of study.

| **Hours Subtotal** | 15 |
| **Total Hours**    | 30 |

General Graduate College Requirements

- A minimum Grade-Point-Average of 3.00 is required
- A minimum Grade of "C" is required in all degree applicable courses
- No courses utilizing the Pass-No Pass grading system are permitted
- GRAD 5082 or GRAD 5092 may not be used to meet degree requirements

Additional Graduate College Masters Degree Requirements

Plan I (coursework with thesis)

- A minimum of 30 credit hours
- A minimum of 24 coursework credit hours comprised of:
  - 6 research or creative component credit hours
  - 21 in-residence credit hours (maximum of 9 transfer credit hours with "B" or better)
  - 21 credit hours at 5000- or 6000-level

Plan II (coursework without thesis)

- A minimum of 32 credit hours
- A maximum of 3 credit hours of research or creative component
- A minimum of 23 in-residence credit hours (maximum of 9 transfer credit hours with "B" or better)
- A minimum of 21 credit hours at the 5000- or 6000-level