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></td>
<td><strong>Hours Subtotal</strong></td>
<td><strong>9</strong></td>
</tr>
<tr>
<td>Thesis</td>
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<td></td>
</tr>
<tr>
<td>PETE 5000</td>
<td>Master’s Thesis</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>Hours Subtotal</strong></td>
<td><strong>6</strong></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td></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.

<table>
<thead>
<tr>
<th>Hours Subtotal</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Hours</td>
<td>30</td>
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</tbody>
</table>

**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