PhD Course Requirements

Graduate students may enroll in the PhD program in two different tracks. The requirements for each degree track are as follows:

1. Students with a BS degree in Petroleum Engineering

Items	Course Description	Credits
Core Courses	At least four (4) courses from the following: * PETE 5010 - Transport Phenomena PETE 5020 - Thermodynamics PETE 5060 - Flow through Porous Media PETE 5080 - Interfacial Phenomena PETE 5150 - Advanced Reservoir Engineering PETE 5255 - Advanced Drilling Engineering PETE 5310 - Fundamentals of Enhanced Oil Recovery	12
Required Courses	PETE 5090 - Research Methods PETE 5355 - Mathematical Methods	6
Elective Courses	Graduate-approved elective courses (PETE or other), selected by the student with approval of the student's advisor. **	18
Seminar	PETE 5890 - Graduate Seminar	6
Research	PETE 5980 - Dissertation Research	30
	Total (minimum)	**72**

2. Students with BS degree in Other Majors

Items	Course Description	Credits
Core Courses	At least five (5) courses from the following: * PETE 5010 - Transport Phenomena PETE 5020 - Thermodynamics PETE 5060 - Flow through Porous Media PETE 5080 - Interfacial Phenomena PETE 5150 - Advanced Reservoir Engineering PETE 5255 - Advanced Drilling Engineering PETE 5310 - Fundamentals of Enhanced Oil Recovery	15
Required Courses	PETE 5090 - Research Methods PETE 5355 - Mathematical Methods	6
Elective Courses	Graduate-approved elective courses (mainly PETE), selected by the student with approval of the student's advisor. **	15
Seminar	PETE 5890 - Graduate Seminar	6
Research	PETE 5980 - Dissertation Research	30
	Total (minimum)	**72**

* Transferable from MS degree if applicable.
** Up to 14 credits of electives transferable from MS degree if applicable.