

## PhD Course Requirements

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

### 1. Students with a BS in Petroleum Engineering from an accredited institution

Items	Course Description	Credits
Core courses	At least <i>three</i> courses from the following: PETE 5020 - Thermodynamics PETE 5010 - Transport Phenomena PETE 5080 - Interfacial Phenomena PETE 5310 - Fundamentals of Enhanced Oil Recovery PETE 5060 - Flow through Porous Media	9
Required courses	PETE 5355 - Mathematical Methods	3
	PETE 5100 - Research Methods	3
Seminar	PETE 5890 - Graduate Seminar	6
Electives	Graduate-approved elective courses (PETE or other), selected by the student with approval of the student's advisor.	21
Dissertation	PETE 5980 – Dissertation Research	30
	<b>TOTAL (minimum)</b>	<b>72</b>

### 2. Students with MS in Petroleum Engineering from UW

Items	Course Description	Credits
Transferred	Plan A MS courses	26
Required courses	PETE 5100 - Research Methods	3
Seminar	PETE 5890 - Graduate Seminar	4
Electives	Graduate-approved elective courses (PETE or other), selected by the student with approval of the student's advisor.	9
Dissertation	PETE 5980 – Dissertation Research	30
	<b>TOTAL (minimum)</b>	<b>72</b>

### 3. Students with MS degree from another accredited institution

Items	Course Description	Credits
Transferred	Approved MS courses	14
Core courses	At least <b>four</b> courses from the following: PETE 5020 - Thermodynamics PETE 5010 - Transport Phenomena PETE 5080 - Interfacial Phenomena PETE 5310 - Fundamentals of Enhanced Oil Recovery PETE 5060 - Flow through Porous Media PETE 5355 - Mathematical Methods	12*
Required courses	PETE 5100 - Research Methods	3
Seminar	PETE 5890 - Graduate Seminar	4
Electives	Graduate-approved elective courses (PETE or other), selected by the student with approval of the student's advisor.	9
Dissertation	PETE 5980 – Dissertation Research	30
	<b>TOTAL (minimum)</b>	<b>72</b>

\*Some or all of these credit hours can be transferred from the MS program courses by petition.