

**REQUIREMENTS FOR THE DOCTOR OF PHILOSOPHY  
MEWBOURNE COLLEGE OF EARTH AND ENERGY  
THE UNIVERSITY OF OKLAHOMA**

Academic Year
For Students Entering the Oklahoma State System for Higher Education Summer 2024 through Spring 2025

General Requirements
Minimum Total Hours ..... 90

Program
Petroleum Engineering D765 Doctor of Philosophy

**Minimum Total Hours:** 90

**Program Code:** D765

## Program Requirements

Code	Title	Credit Hours
<b>M.S.P.E.</b>		
The student must have completed all coursework and research requirements for a Petroleum Engineering Master of Science or equivalent degree as determined by the graduate liaison, including the following specific requirements:		
P E 5353	Advanced Drilling	3
P E 5523	Advanced Production Engineering	3
P E 6573	Advanced Reservoir Engineering	3
Choose one Applied Math course from the following, or approved by the department:		3
MATH 4163	Introduction to Partial Differential Equations (graduate credit)	
P E 5563	Mathematical Simulation Models	
P E 5990	Special Studies (topic: Petroleum Inverse Problems)	
Elective courses, including up to a maximum of 3 credit hours special studies		12
Thesis Research		6
<b>Requirements beyond Master's Degree</b>		
At least 12 hours of coursework beyond the Master's Degree		12
P E 6980	Research for Doctoral Dissertation (minimum 36 hours, maximum 48 hours)	36-48
<b>Total Credit Hours</b>		<b>90</b>

All coursework applied to the doctoral degree must carry graduate credit.

The doctoral degree requires at least 90 post-baccalaureate hours, including both formal coursework and hours of research.

The minimum hour requirement for a specific doctoral degree program cannot be waived.

No more than one-half of the credit hours, both OU and overall, excluding Research for Doctoral Dissertation (6980), may be S/U-graded coursework.

The student must be in residence at OU for at least two consecutive 16-week semesters during the pursuit of the doctoral degree while enrolled and engaged in coursework or research activities as prescribed by the major academic unit.

For more detailed regulations and requirements for Doctoral degrees, please consult the Graduate College Bulletin: <http://www.ou.edu/gradcollege/forms/bulletin>

More information in the catalog: (<http://ou-public.courseleaf.com/mewbourne-earth-energy/mewbourne-petroleum-geological-engineering/petroleum-engineering-doctor-philosophy/>).

### NOTE:

Prior to defending, a student must have published (or accepted/in press) one refereed paper as first author on their dissertation research topic and have one conference proceeding as first author on their dissertation topic. The refereed paper should be in a journal that is listed in Thomson Reuters Web of Science and have a minimum impact factor of 0.5. The Graduate College will not authorize a student to defend until the graduate liaison has confirmed the student has met this requirement.

### General Requirements for Doctoral Degrees

A student should expect to spend at least the equivalent of three full academic years beyond the bachelor's degree to obtain the doctoral degree. During this period the student will take appropriate graduate coursework, successfully complete the general examination, and successfully defend and submit the final dissertation.