DOCTORAL DEGREE REQUIREMENTS

General policies for all University of Oklahoma doctoral programs are available in the Graduate College Bulletin.

DOCTOR of PHILOSOPHY  
MAJOR: Engineering  
CONCENTRATION: Engineering Education  
Program effective Fall 2015

COURSEWORK REQUIREMENTS

At least 9 hours of 5000-level or above letter graded engineering courses beyond the MS are required. ENGR 5120, ISE 5553, ISE 5853, and ENGR 5113 may count toward this requirement.

A maximum of 12 hours of 4000-level engineering and science courses approved for graduate credit may be applied (maximum of 9 hours of 4000-level courses from a single discipline).

A maximum of 6 hours of S/U-graded courses (excluding dissertation research) may be applied.

General Coursework

- At least 15 hours of 5000-level or above letter graded courses in engineering, science, or math .......... 15 hours  
  (Maximum of 9 hours in science and math)

Engineering Education Concentration

Engineering Education Enquiry Seminar
- ENGR 5120  Engineering Education Enquiry .......................................................... 1-3 hours

Qualitative Research Methods
- E IPT 6043  Qualitative Research Methods or
- COMM 5313 Qualitative Research Methods or
- SOC 5313  Qualitative Research Methods .......................................................... 3 hours

Quantitative Research Methods
- I SE 5553 Data-Driven Decision Making I .............................................................. 3 hours
- ISE 5853 Data-Driven Decision Making II .............................................................. 0-3 hours
  Total ........................................................................................................ 3-6 hours

Instructional Theory
- ENGR 5113  Science, Engineering and Mathematics Educational Outreach for STEM Majors .......... 0-3 hours

Diversity Topics
- E DAH 5473 Race, Class, and Gender in Education or
- E DAH 5940 Field Studies in Education: Gender, Society, and Education or
- EDS 5833 Gender, Values, and Education or
- PHIL 5833 Gender, Values, and Education or
- HSCI 5550 Topics in the History of Science: Gender in Science, Technology, and Medicine or
- EDS 5933 Girls, Women, and Educational Studies .................................................... 3 hours

Dissertation Research
- ENGR 6980  Research for Doctoral Dissertation ...................................................... 2-45 hours

Additional Coursework .......................................................................................... 12-63 hours

TOTAL ...................................................................................................................... 90 hours