

DOCTORAL DEGREE REQUIREMENTS

General policies for all University of Oklahoma doctoral programs are available in the [Graduate College Bulletin](#).

DOCTOR of PHILOSOPHY

D675/R*

MAJOR: Mechanical Engineering

CONCENTRATION: Various*

Program effective **Summer 2004**

COURSEWORK REQUIREMENTS

The program requires satisfactory completion of at least 42 course credit hours beyond the baccalaureate degree for a total of 90 credit hours.

A maximum of 9 credit hours of Special Projects, Guided Individual Studies, or other non-competitively graded courses (including 6 credit hours of MS thesis) may be included.

Students may include up to 42 credit hours from previous graduate work as follows:

- All of a M.S. degree up to 30 hours but including no more than 6 thesis hours
- All of a M.S. non-thesis degree up to 36 hours
- Up to 12 hours of post-master’s work

Specific Course Requirements

- Advanced engineering graduate courses at the 5000-level or higher 24+ hours
As determined by the student’s doctoral advisory conference.
 - Graduate-level math-related coursework..... 3+ hours
 - Graduate-level math-related or science coursework..... 3+ hours
 - Additional coursework as needed to reach 42 hours Variable
- Students enrolled in the thermal science program are required to take the following:
- AME 5333 Thermodynamics and Combustion..... 3 hours
 - AME 5803 Principles of Heat Transfer 3 hours
 - AME 5973 Computational Heat and Fluid Flow 3 hours
- Total**..... **42+ hours**

Dissertation Research

- AME 6980 Research for Doctoral Dissertation..... **42+ hours**
42 hours minimum
- TOTAL**..... **90 hours**

NOTE

*These requirements apply to the following concentrations:

- D675/R126 Combustion
- D675/R151 Controls
- D675/R256 Fluid Mechanics
- D675/R321 Heat Transfer
- D675/R448 Mechanical Engineering General
- D675/R616 Solid Mechanics