

REQUIREMENTS FOR THE DOCTOR OF PHILOSOPHY
GALLOGLY COLLEGE OF ENGINEERING
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
Industrial and Systems Engineering
D526
Doctor of Philosophy

Minimum Total Hours: 90

Program Code: D526

Program Requirements

Code	Title	Credit Hours
Statistics		
Choose one of the following courses:		3
ISE 5013	Fundamentals of Engineering Statistical Analysis	
ISE 5553	Data-Driven Decision Making I	
ISE 5853	Data-Driven Decision Making II	
ISE 5103	Intelligent Data Analytics	
Modeling		
ISE 5023	Systems Optimization	3
or ISE 5663	Systems Analysis Using Simulation	
Systems Engineering		
ISE 5033	Systems Engineering	3
or ISE 5813	Advanced Human Factors and Ergonomics	
Additional Requirements		
Elective Coursework (at least 9 hours as approved by the advisory conference committee and graduate committee)		9
Additional Coursework		30-44
Dissertation Research		
ISE 6980	Research for Doctoral Dissertation (minimum 28 hours)	28-42
Total Credit Hours		90

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/gallogly-engineering/industrial-systems-engineering/industrial-systems-engineering-doctor-philosophy/>).

Notes:

At least 12 credit hours of coursework must be taken in Industrial and Systems Engineering at the 5000-level or above.

At least 3 credit hours must be 6000-level courses in Industrial and Systems Engineering. This can include ISE 6990 Special Studies when approved by the Advisory Conference Committee.

The program requires between 18 and 30 hours of coursework beyond the M.S. Transferable hours are limited to 44.

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.

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