

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 2023 through Spring 2024

General Requirements
Minimum Total Hours 90

Program
Data Science and Analytics D272, D273 (Online) Doctor of Philosophy

Minimum Total Hours: 90

Program Code: D272, D273 (Online)

Program Requirements

Code	Title	Credit Hours
Core Courses (20 hours) ¹		
DSA/ISE 5013	Fundamentals of Engineering Statistical Analysis ²	3
DSA/ISE 5103	Intelligent Data Analytics ²	3
DSA/ISE 5113	Advanced Analytics and Metaheuristics ²	3
DSA/C S 5005	Computing Structures ²	5
DSA/C S 4413	Algorithm Analysis	3
DSA/C S 4513	Database Management Systems ²	3
Guided Electives ³		25
Dissertation Research		
DSA 6980	Research for Doctoral Dissertation	2-45
Total Credit Hours		90

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/program-data-science-analytics/data-science-analytics-doctor-philosophy/>).

¹With approval of the graduate liaison, other graduate-level coursework may substitute for core courses on the basis of undergraduate, graduate, or professional background.

²One or more of these courses may be substituted with additional electives based on equivalent prior coursework.

³Guided Electives could be transferred from graduate work and this decision is made by the students' doctoral committee members.

notes

- A minimum of 45 credit hours of coursework and a maximum of 45 credit hours of dissertation research DSA 6980 is required.
- A maximum of 30 credit hours of coursework can be transferred from prior graduate work and this decision is made by the students' doctoral committee members.
- A maximum of 6 *S/U*-graded credit hours is allowed as part of the 45 credit hours of coursework.

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.

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