DOCTORAL DEGREE REQUIREMENTS

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

DOCTOR of Philosophy

MAJOR: Data Science and Analytics

Program effective Fall 2021

COURSEWORK REQUIREMENTS

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 6 hours of S/U graded coursework is allowed as part of the 45 credit hours of coursework.

Core Coursework

All students must complete DSA/CS 5013, DSA/CS 5103, DSA/CS 5005, and DSA/CS 4513. One or more of these courses may be substituted with additional electives based on equivalent prior coursework.

- DSA/ISE 5013 Fundamentals of Engineering Statistical Analysis .........................................................3 hours
- DSA/ISE 5103 Intelligent Data Analytics..............................................................................................3 hours
- DSA/ISE 5113 Advanced Analytics & Metaheuristics ........................................................................3 hours
- DSA/CS 5005 Computing Structures ..................................................................................................5 hours
- DSA/CS 4413 Algorithm Analysis ........................................................................................................3 hours
- DSA/CS 4513 Database Management Systems ..................................................................................3 hours

Total ...............................................................................................................................................20 hours

Electives

- Guided Electives ............................................................................................................................25 hours

Students are required to complete 25 hours of guided electives. This could be transferred from graduate work and this decision is made by the student’s doctoral committee.

Residence/Transfer Credit

- Prior graduate work from an accredited university ........................................................................0-30 hours

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.

Dissertation Research

- DSA 6980 Research for Doctoral Dissertation ..................................................................................2-45 hours
- TOTAL ................................................................................................................................................90 hours