

REQUIREMENTS FOR THE GRADUATE CERTIFICATE

GALLOGLY COLLEGE OF ENGINEERING

THE UNIVERSITY OF OKLAHOMA

Academic Year
For Students Entering the Oklahoma State System for Higher Education Summer 2025 through Spring 2026

General Requirements
Minimum Total Hours 15

Program
Data Science and Analytics G302, G303 (Online) Graduate Certificate

The Graduate Certificate in Data Science and Analytics provides a mechanism for full-time working students to pursue expertise in this rapidly growing discipline. Through a certificate, they will build their data science and analytics skill set to enhance their current position or to allow them to seek new positions in the field. A total of 15 hours is required for the certificate.

CERTIFICATE REQUIREMENTS

Code	Title	Credit Hours
At least 6 hours from the core courses listed below:		6
DSA/C S 5005	Computing Structures	
DSA/C S 4513	Database Management Systems ¹	
DSA/C S 4413	Algorithm Analysis ¹	
DSA/ISE 5013	Fundamentals of Engineering Statistical Analysis	
DSA/ISE 5103	Intelligent Data Analytics	
DSA/ISE 5113	Advanced Analytics and Metaheuristics	
7-9 hours chosen from a set of elective courses approved by the graduate liaison		7-9
Total Credit Hours		15

¹ 4000-level courses must be taken at the graduate/G level in order to apply to completion of the graduate certificate.

A graduate *certificate* is not a graduate *degree*. A graduate degree represents a program of independent inquiry beyond the depth of coursework alone, while a graduate certificate represents a set of courses only.

- All courses must be taken at OU. No transfer credit will apply.
- No course substitutions are permitted for graduate certificates.
- Coursework applied to a graduate certificate cannot be more than five years old as of the semester the graduate certificate is awarded.
- Students must earn a grade point average of 3.00 or higher on all coursework applied to the graduate certificate.

More information in the catalog: (<http://ou-public.courseleaf.com/gallogly-engineering/program-data-science-analytics/data-science-analytics-grad-cert/>).