REQUIREMENTS FOR THE UNDERGRADUATE CERTIFICATE
GALLOGLY COLLEGE OF ENGINEERING
THE UNIVERSITY OF OKLAHOMA

Academic Year	General Requirements		Program
For Students Entering the Oklahoma State System for Higher Education **Summer 2023 through Spring 2024**	Minimum Total Credit Hours	**15**	**Data Science and Analytics** **T103** Undergraduate Certificate

Minimum Total Credit Hours: 15

Program Code: T103

Students must be enrolled as undergraduates in the Gallogly College of Engineering or the Mewbourne College of Earth and Energy. All courses counted toward the certificate must be completed with a C or better.

Code	Title	Credit Hours
Required Courses		
Choose one of the following:		3-4
C S 1213	Programming for Non-Majors with Python	
C S 1313	Programming for Non-Majors with C	
C S 1323	Introduction to Computer Programming for Programmers	
C S 1324	Introduction to Computer Programming for Non-Programmers	
Program Core		
DSA 3013	Machine Learning for Data Science	3
DSA 3023	Big Data Engineering	3
DSA 4003	Applied Data Science	3
Program Electives		
Choose three hours of approved elective(s) from list of courses maintained by Program in Data Science and Analytics		3
Total Credit Hours		**15**

More information in the catalog: (http://ou-public.courseleaf.com/gallogly-engineering/program-data-science-analytics/data-science-analytics-undergraduate-certificate/).