REQUIREMENTS FOR THE MASTER OF SCIENCE
GALLOGLY COLLEGE OF ENGINEERING
THE UNIVERSITY OF OKLAHOMA

Academic Year	General Requirements		Program
For Students Entering the Oklahoma State System for Higher Education **Summer 2024 through Spring 2025**	Minimum Total Hours (Thesis)	**30**	**Data Science and Analytics**
	Minimum Total Hours (Non-Thesis)	**33**	**M267, M268 (Online)**
			Master of Science

THESIS OPTION

Code	Title	Credit Hours
Core DSA Courses [1]		
DSA/C S 5005	Computing Structures	5
DSA/C S 4513	Database Management Systems [2]	3
DSA/C S 4413	Algorithm Analysis [2]	3
DSA/ISE 5013	Fundamentals of Engineering Statistical Analysis	3
DSA/ISE 5103	Intelligent Data Analytics	3
DSA/ISE 5113	Advanced Analytics and Metaheuristics	3
Internship/Practicum		
DSA/ENGR 5900	Professional Practice	1
Thesis		
C S/ISE/DSA 5980	Research for Master's Thesis	6
Electives		
3 hours of CS, ISE, or DSA electives		3
Total Credit Hours		**30**

[1] Core courses may be replaced with additional graduate electives at the discretion of the Graduate Liaison.

[2] Approved for graduate credit.

NON-THESIS OPTION

Code	Title	Credit Hours
Core DSA Courses [1]		
DSA/C S 5005	Computing Structures	5
DSA/C S 4513	Database Management Systems [2]	3
DSA/C S 4413	Algorithm Analysis [2]	3
DSA/ISE 5013	Fundamentals of Engineering Statistical Analysis	3
DSA/ISE 5103	Intelligent Data Analytics	3
DSA/ISE 5113	Advanced Analytics and Metaheuristics	3
Internship/Practicum		
DSA/ENGR 5900	Professional Practice	4
Electives		
3 hours of CS, ISE, or DSA electives		3
6 additional hours of electives		6
Total Credit Hours		**33**

[1] Core courses may be replaced with additional graduate electives at the discretion of the Graduate Liaison.

[2] Approved for graduate credit.

GENERAL REQUIREMENTS FOR ALL MASTER'S DEGREES

The master's degree requires the equivalent of *at least* two semesters of satisfactory graduate work and additional work as may be prescribed for the degree.

All coursework applied to the master's degree must carry graduate credit.

Master's degree programs which require a thesis consist of *at least* 30 credit hours. All non-thesis master's degree programs require *at least* 30 credit hours.

Credit transferred from other institutions must meet specific criteria and is subject to certain limitations.

Courses completed through correspondence study may *not* be applied to the master's degree.

To qualify for a graduate degree, students must achieve an overall grade point average of 3.0 or higher in the degree program coursework and in all resident graduate coursework attempted. A student must also have at least a 3.0 in all coursework (including undergraduate coursework if any).

Additional information for master's degree students may be found in the Graduate College Bulletin.

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