

# REQUIREMENTS FOR THE MASTER OF SCIENCE

## GALLOGLY COLLEGE OF ENGINEERING

### THE UNIVERSITY OF OKLAHOMA

| Academic Year   |
|---|
| For Students Entering the Oklahoma State System for Higher Education<br>Summer 2023 through Spring 2024 |

| General Requirements                      |
|---|
| Minimum Total Hours (Thesis) ..... 30     |
| Minimum Total Hours (Non-Thesis) ..... 33 |

| Program                      |
|------------------------------|
| Computer Science             |
| M235 Q146 (Online M236 Q146) |
| Master of Science            |

No more than three courses at the C S G4000 level are permitted. No more than 3 credit hours of C S 5990 are permitted (students who have the graduate liaison's approval to complete a project option may take 6 hours). No more than 6 credit hours of Special Topics in Computer Science are permitted (even with a change in subject).

#### THESIS OPTION

| Code   | Title   | Credit Hours |
|--|---|--------------|
| <b>Core Courses</b>  |   |              |
| C S 4413   | Algorithm Analysis (or equivalent as approved by the graduate liaison)          | 3            |
| C S 4513   | Database Management Systems (or equivalent as approved by the graduate liaison) | 3            |
| Four courses selected from an approved list maintained by the School of Computer Science |   | 12           |
| <b>Electives</b>   |   |              |
| Choose any Computer Science graduate class <sup>1</sup>                                  |   | 6            |
| <b>Thesis</b>  |   |              |
| C S 5980   | Research for Master's Thesis  | 6            |
| <b>Total Credit Hours</b>  |   | <b>30</b>    |

<sup>1</sup>Any C S graduate class including MATH 5743, MATH 4753, MATH 4073, or ECE 4000G or higher as approved by the Computer Science graduate liaison. **Other courses outside C S require prior approval of the graduate liaison.**

#### NON-THESIS OPTION

| Code   | Title                       | Credit Hours |
|--|-----------------------------|--------------|
| <b>Core Courses</b>  |                             |              |
| C S 4413   | Algorithm Analysis          | 3            |
| C S 4513   | Database Management Systems | 3            |
| Four courses selected from a list maintained by the School of Computer Science |                             | 12           |
| <b>Electives</b>   |                             |              |
| Choose 15 hours from any Computer Science graduate class <sup>1</sup>          |                             | 15           |
| <b>Total Credit Hours</b>  |                             | <b>33</b>    |

<sup>1</sup>Any C S graduate class including MATH 5743, MATH 4753, MATH 4073, or ECE 4000G or higher as approved by the Computer Science graduate liaison. **Other courses outside C S require prior approval of the graduate liaison.**

#### 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/computer-science/computer-science-master-science/>).