

SCHOOL OF COMPUTER SCIENCE
Masters students Checklist
(Effective Spring 2022)

This is to be used in conjunction with the checklist printed in the general catalog. All Graduate College and University requirements apply {<https://www.ou.edu/gradcollege/forms-and-policies/steps-to-degree>}.

Prerequisites

_____ Complete the admission prerequisites.

_____ All prerequisites finished with B or better on the first attempt.

Coursework Requirements

(non-Thesis option) Total credit hours: 33 hours

(Thesis option) Total credit hours: 30 hours (24 credit hours of coursework, 6 of thesis)

A student must declare non-Thesis or Thesis option by the end of the 1st semester of study in the program.

_____ Required Coursework
*Please see listing below

Mandatory courses:

- CS 4413 Algorithm Analysis
- CS 4513 Database Management Systems

4 of the following 9 courses must be taken:

- CS 4613 Computer Architecture
- CS 5013 Artificial Intelligence
- CS 5033 Machine Learning
- CS 5113 Distributed Operating Systems
- CS 5133 Data Networks
- CS 5173 Computer Security
- CS 5213 Software Engineering Processes *Not available to students who have earned a B.S. in CS at OU.
- CS 5473 PDN Programming
- CS 5813 Formal Languages

*CS 5213 is the graduate equivalent of CS 4273/Capstone; those earning a B.S. in CS at OU cannot take CS 5213.

One presentation course from the following list must be taken:

- CS 5033 Machine Learning
- CS 5073 Artificial Neural Networks and Evolution
- CS 5093 Visual Analytics
- CS 5113 Distributed Operating Systems
- CS 5143 Network Design & Management **Irregularly offered.*
- CS 5513 Advanced Database Management
- CS 5593 Data Mining
- CS 5713 Computational Learning Theory
- CS 5813 Formal Languages

_____ Students who have completed one or more of the required graduate-level courses elsewhere may petition the graduate committee for a waiver from taking some or all required courses.

Additional Coursework

_____ Six thesis research (CS 5980) hours (any extra is not counted towards 30 hour total) for Thesis option.

_____ No more than three courses at CS G4000 level, i.e., nine credit hours. However, students can get a total of twelve credit hours of G4000 level classes.

_____ No more than three credit hours in independent study courses (CS 5990). *Students who have the Graduate Liaison's approval to complete a project option may take 6 hours of CS 5990.*

_____ No more than six credit hours in CS 5970 courses will be permitted, even with change of subject.

_____ No more than two outside courses of which only one can be G4000 level. *Outside courses require prior approval to be turned in for approval to the graduate liaison before the first week of class.*

_____ Maintain a GPA of 3.00 or above.

_____ Attend at least 5 seminars/conferences throughout the duration of the program.

Forms

_____ For non-thesis, via the Academic Programs Coordinator, file the official *POS/Program of Study* form before the end of the semester prior to the semester of graduation. For thesis, via the Academic Programs Coordinator, the *POS/Program of Study* form must be submitted along with the Master's *Thesis Topic & Committee Form*, before any CS 5980 research course credit is scheduled to start.

Exit Exam (non-Thesis)

_____ Select a research paper *or* project option, in consultation with a CS faculty member, for presentation.

Publication (Thesis option)

_____ It is expected that all Master's thesis students submit for publication at least two (2) co-authored papers before graduation.

Thesis Defense (Thesis option)

_____ Form thesis committee of three graduate faculty members (including advisor with M1 or RM2 status as one of the three).

_____ Majority of thesis committee members have M1, RM1 or higher status in School of Computer Science.

_____ Special membership appointment: One of the committee members, including the advisor, may be a faculty member with SM status. See the Graduate College website on graduate faculty appointment for details: {<https://www.ou.edu/gradcollege/faculty-and-staff-resources/graduate-faculty>}

_____ Submit the *Master's Thesis Topic & Committee Form* at the same time you submit your *POS/Program of Study* form, to the Academic Programs Coordinator. It must be filed before any CS 5980 research course credit is scheduled to start. The admission to candidacy and the *Request for Master's Thesis Defense* has to be to filed with the Academic Programs Coordinator in the School of Computer Science a month earlier than the Graduate College deadline.

_____ The student should work with the program to determine the location of the thesis defense.

_____ Submit a reading copy of thesis (hard copy) and an abstract approved by the CS faculty advisor to CS Academic Programs Coordinator ten business days (2 weeks) prior to thesis defense.

_____ Pass thesis defense in one attempt.

_____ Signed report of defense committee must be submitted to Graduate College within 72 hours of the defense.

_____ After your committee has approved your final thesis, submit the online *Approval for Thesis/Dissertation Submission to SHAREOK* form to the Graduate College. Submit your thesis to the SHAREOK institutional repository, according to the instructions you received in the Graduate College email authorizing your defense. Your submission is due no later than 60 calendar days after your defense. If you plan to graduate in a particular semester, you must meet the semester submission deadline given on the Academic Calendar, usually the last day of the final examination period.

Graduation

_____ Pay graduation fee in Bursar's office and complete all Graduate College forms.

_____ Submit the School of Computer Science exit interview via the issued exit interview survey.

Note: If deadline falls on a weekend, the next working day following the deadline will be acceptable.

*Graduate College - Degree Milestone/Progress to Degree Deadlines:

<https://www.ou.edu/gradcollege/forms-and-policies/steps-to-degree>