

CSE 9000: Doctoral Thesis

Georgia Institute of Technology

Summer 2026 / Fall 2026

Instructor: Prof. Spencer Bryngelson

Email: shb@gatech.edu

Office: CODA S1323

Course Description

Research and writing of the doctoral dissertation under the supervision of the thesis advisor. Students conduct original research in computational science and engineering and prepare a dissertation that meets the requirements of the Graduate Studies office.

Course Objectives / Learning Outcomes

Upon completion of this course, students will be able to:

- Conduct original, independent research at the doctoral level.
- Write a dissertation that makes a significant contribution to the field.
- Critically analyze and synthesize the relevant literature.
- Defend the dissertation before the doctoral committee.

Required Course Materials

None. Materials specific to the student's dissertation research will be identified by the thesis advisor.

Grading Policy

- Satisfactory/Unsatisfactory (S/U) grading.
- Evaluation is based on research progress, quality of the dissertation, and satisfactory completion of milestones as determined by the thesis advisor.

Attendance Policy

Students are expected to meet regularly with the thesis advisor on a schedule determined at the start of the semester. Absences should be communicated to the advisor in advance.

Additional Criteria for Successful Completion

Students must make satisfactory progress toward completion of the doctoral dissertation as determined by the thesis advisor. Final completion requires submission of an approved dissertation and successful defense before the doctoral committee.

Academic Integrity

Students are expected to abide by the Georgia Tech Honor Code. All work submitted must be the student's own. Any violations of academic integrity will be reported to the Office of Student Integrity.

Student–Faculty Expectations Agreement

Students and faculty are expected to abide by the Student–Faculty Expectations Agreement. This agreement outlines mutual responsibilities for maintaining a productive and respectful learning environment.

Disability Services

Students with disabilities who require accommodations should contact the Office of Disability Services (ODS) to establish eligibility and to coordinate accommodations. Students are encouraged to register with ODS at the beginning of each semester.