

## Master's PROPOSED PROGRAM OF STUDY

### Thesis Option

**\*\*\*READ ALL OF THESE INSTRUCTIONS\*\*\***

**Keep this page for your records. Do not turn this in with your POS.**

A proposed program of study must be submitted to the CSE academic advisor before the end of the first semester of graduate study. If your home unit is *not* CSE, this form should first be approved by the Home Unit Coordinator.

3.0 minimum program GPA is required to graduate. See CSE Handbook for more details.

If you take a course(s) not approved on your POS, you must submit a revised POS for approval. You do not need to submit a revised POS if you change one of your core courses to a different core course.

Core Course Offerings. You must choose 4 out of 5 core courses for your POS. If you take the crosslisted course, be sure you indicate that specifically.

Core Course	Semester Offered by the School of CSE
CSE 6140 Algorithms	Fall
CSE 6220 High Performance Computing	Spring
CSE 6643 Numerical Linear Algebra (crosslisted with MATH 6643)	Spring
CSE 6730 Modeling and Simulation	Spring
CSE 6740 Computational Data Analysis (crosslisted with ISYE 6740)	Fall

### COMPLETE SECTIONS 1, 2 AND 3 AS FOLLOWS:

**SECTION 1.** Fill in name, GTid, Georgia Tech email account, date. Indicate “original” or “revised” POS. Be sure to choose a Home Unit. Choices are: CSE, Biol, Bmed, Chem, CEE, Math, ISYE, or AE. (*Note that AE is not an option for a home unit in the Non-Thesis MS CSE degree.*)

**SECTION 2.**

- **CORE:** Choose 4 of the 5 CORE courses listed above. There are no substitutions allowed for Core courses.
- **COMPUTATION AND APPLICATION SPECIALIZATION:** You are required to take at least one application course. In the last column, type or write “Computation” or “Application.” As a guideline, your “Computation Specialization” is supposed to give you more depth in computational techniques; your “Application Specialization” is supposed to give you exposure to one or more application domains in which you could apply those techniques. For example, you might take a course in HPC or machine learning to study general mathematical and algorithmic methods, and then take a course in, say, biology, materials engineering, or finance to learn more about an area in which you might apply such methods. (The course does not have to be about applying the methods; the idea is that you learn enough about some area *\*outside\** your computation specialization.) This is just an example; in evaluating your program of study, we will consider reasonable arguments. That’s why we ask you to choose your application specialization course *\*and\** explain how it fits this notion of an application specialization.  
This area requires at least 2 courses outside of computing (no CS or CSE course prefix or CORE course crosslists).
- **THESIS HOURS:** Must enroll in a minimum of 6 credit hours of CSE 7000. Thesis Permit Form is found on our webpage. Must be approved by faculty advisor.

**SECTION 3.** Indicate your tentative Thesis title and expected graduation term and year. Sign and date the POS. If your Home Unit is anything other than CSE, you must have that Home Unit Coordinator’s signature. By signing this Program of Study, you are acknowledging that you read all of the instructions and understand the requirements for this degree.

## MS-CSE **Thesis** Option – Proposed Program of Study

**SECTION 1 - Demographics**

Name: \_\_\_\_\_

GT ID: \_\_\_\_\_

GA Tech Email: \_\_\_\_\_

Date: \_\_\_\_\_

Choose one:    Original     Revised

Choose Home Unit: \_\_\_\_\_

**SECTION 2 - CSE Core, Computation and Application Specialization, Technical Electives**

**CSE CORE COURSES (12 HOURS)**

Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade

**COMPUTATION AND APPLICATION SPECIALIZATION (12 HOURS) (HOME UNIT MINOR)**

Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade	Computation or Application*

**THESIS HOURS (6 HOURS)**

Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade
CSE 7000	Master’s Thesis Research			
CSE 7000	Master’s Thesis Research			

*\*Provide short justification for your application course(s):*

**SECTION 3 - Graduation Term and Year and Signature**

TENTATIVE THESIS TITLE: \_\_\_\_\_

PROJECTED GRAD

TERM/YEAR: \_\_\_\_\_

STUDENT’S SIGNATURE: \_\_\_\_\_

**This section to be completed by Home Unit Coordinator & Program Director**

P-GPA: \_\_\_\_\_ C-GPA: \_\_\_\_\_

Home Unit Coordinator Approval:    Sign \_\_\_\_\_    Date \_\_\_\_\_

CSE Program Director Approval:    Sign \_\_\_\_\_    Date \_\_\_\_\_