

Synopsis of Masters Requirements

Program Requirements

- 30 - 31 units overall

Course Requirements

- Choose 6 courses (18 units) following a 2, 2, 1, 1 distribution of your choice from the following core areas:

Computing Systems

- 525 Principles of Computer Networking
- 552 Advanced Operating Systems
- 553 Principles of Compilation
- 576 Computer Architecture

Software Systems

- 520 Principles of Programming Languages
- 522 Parallel and Distributed Programming
- 560 Database Systems Implementation

Theory and Algorithms

- 545 Design and Analysis of Algorithms
- 573 Theory of Computation

Applications

- 533 Computer Graphics
- 537 Computational Geometry
- 577 Introduction to Computer Vision

- 3 units of Computer Science courses at 600 level

Program Options

Non-thesis Option:

- 9 additional elective* units of ≥ 500 level
- 1 unit C SC 695a and attendance of 10 colloquia

*Thesis Option**:*

- 3 units elective ≥ 500 level
- 6 units of 910 (Thesis)
- Presentation of Thesis

*Electives must be approved by the student's advisor and are typically courses in computer science or related disciplines.

**Approval for the thesis option is granted by the faculty to only the most qualified and well-prepared students.