Master of Science in Bioinformatics Plan of Study (prior to Fall 2013)

Degree requirements listed on this page apply to students entering the program on or after fall 2012.

You have the options of taking

- Six credit hours towards a thesis
- Three credit hours towards a project
- A non thesis/project option without thesis/project credit hours

Core Courses (Core A: 15 cr.)
- [INFO B519 Introduction to Bioinformatics](#) (3 cr.)
- [INFO B573 Programming for Chem/Life Science](#) (3 cr.)
- [INFO B556 Biological Database Management](#) (3 cr.)
- CSCI 590 Algorithms in Bioinformatics (3 cr.)
- [INFO B590 Computational Methods for Analyzing High-Throughput Data in Biomedicine](#) (3 cr.)

Advanced Courses (Core B: 12 cr.)
Select four:
- [INFO B529 Machine Learning in Bioinformatics](#) (3 cr.)
- [INFO B619 Structural Bioinformatics](#) (3 cr.)
- [INFO B646 Computational System Biology](#) (3 cr.)
- [INFO B656 Translational Bioinformatics Applications](#) (3 cr.)
- GRAD G652/R607 Biostatistics II/Advanced Statistics (3 cr.)
- [INFO B590 Next Generation Sequencing](#) (3 cr.)

Seminar Course (3 cr.)
- [INFO B532 Seminar in Bioinformatics](#) (3 cr.)

Thesis/ Project (0 – 6 cr.)
- [INFO B692 Bioinformatics Project](#) (3 cr.)
- [INFO B692 Bioinformatics Thesis](#) (6 cr.)

Electives (0 – 6 cr.)

Students can take other INFO graduate courses including independent study ([INFO B552](#)) as electives. Master’s students may take up to 6 credit hours outside the School of Informatics and Computing not including CSCI 590 and GRAD G652.