Overall, the achieve depth and breadth, Bioinformatics students must complete the following:

- Seven (7) required courses
- Research and thesis enrollments
- One 400-level Bioinformatics elective

Major Requirements (17 credit hours):

- Responsible Conduct in Research and Scholarship (UNIV 270) 2-day workshop – 0 credit hours
- Bioinformatics (BIOL 488) – 3 credit hours
- Proteomics (CHEM 465) – 3 credit hours
- Computational Biology (COMP 483) – 4 credit hours
- Quantitative Methods in Bioinformatics (STAT 437) – 3 credit hours
- Advanced Bioinformatics (BIOI 500) – 2 credit hours
- Bioinformatics Seminar (BIOI 501) – 2 credit hours (1 credit hour each)

One General Elective – 3 credit hours: Students can select any BIO, CHEM, COMP, or STAT 400-level class identified in the list of Bioinformatics electives.

Research Enrollments– 9 credit hours total: During the first semester of enrollment, students will enroll for 1 credit hour of research, specified as “Bioinformatics Research Design” (BIOI 494). The remaining credits, designated as “Bioinformatics Research” (BIOI 499) and totaling 8 credit hours, are to be distributed amongst other semesters.

Thesis Enrollment (BIOI 595) – 1 credit hour: This course should be enrolled for during the semester in which the student’s thesis will be completed.

**Thesis Procedures:**

1. During the student’s first semester, his/her thesis committee will be established. The committee will consist of at least three faculty members (including the student’s primary advisor serving as chair of the committee). At least two of these members must be part of the Bioinformatics-affiliated faculty.
2. The student must complete the formal Graduate School process for thesis committee approval.
3. The student is expected to present progress to his/her committee each academic year semester (fall/spring) of study.
4. Upon approval by the student’s committee, the student must register for “Thesis” (BIOI 595) for the semester in which he/she will defend.
5. When the thesis text is completed, the student will distribute it to his/her committee for final approval. Only after final approval by the committee is obtained, can the defense be scheduled.
6. Upon completion and approval by all committee members of the student’s oral defense and thesis text, the ballot will be submitted for Graduate School approval.
7. Final text formatting of the thesis must adhere to the Graduate School’s requirements. Format checking is a required step and the final copy is due to the Graduate School according to the published due dates (dependent upon the conferral date).