

Degree Requirements

The following describes required coursework, research and teaching requirements and the requirements necessary to graduate. The required coursework is designed to expose the graduate student to a wide range of human health related topics and provide an in depth foundation in molecular and cell biology. The courses include training in bioethics and biostatistics.

Course Requirements:

- i. Advanced Molecular Biology: 3 credit hours
- ii. Biostatistics: 3 credit hours
- iii. Health Sciences Seminar: 1 credit hour/semester, all semesters
- iv. Ethics: 1 credit hour
- v. Bioregulation: 4 credit hours
- vi. Advanced Cell Biology: 3 credit hours
- vii. Research Techniques in Biomedical Sciences: 4 credit hours
- viii. Advanced Topics in Biomedical Sciences (1-2). (S/U grade only)
- ix. Special Topics in Biomedical Sciences (1-3). (S/U grade only.)
- x. Electives: 9 credit hours, Electives will be selected in consultation with the faculty advisor and thesis committee

Research Requirements:

Students will begin research training in their first year of study through rotation in faculty research laboratories. At the end of the first year, faculty mentors will be determined and an independent research project developed under their guidance. Students are expected to publish their project findings in peer-reviewed scientific journals.

Graduation Requirements:

Time to Graduation: The University requires that the degree be completed within five calendar years from the time the student gains admittance to candidacy by passing the preliminary exam.

Summary of Requirements:

- i. Attend the Health Science Seminar Series
- ii. Successfully complete the preliminary doctoral examination
- iii. After admission to doctoral candidacy, submit a doctoral research proposal approved by the major professor and the supervisory committee
- iv. Students should publish their project findings in peer-reviewed scientific journals.
- v. Register for a minimum of twenty-four semester hours of dissertation credit
- vi. Submit, publicly present, and successfully defend a dissertation.

[BMS Check List](#)