

Pathology, MS

Requirements

The Master of Science program in pathology requires a minimum of 30 s.h. of graduate credit, including 21 s.h. of coursework and 9 s.h. of research leading up to the thesis. Students must maintain a Graduate College program grade-point average of at least 2.75.

The MS in pathology requires the following coursework.

Required Coursework

| Course # | Title | Hours |
|---------------------------------------|--|-------|
| All of these: | | |
| PATH:5270/ IGPI:5270/ MMED:5270 | Pathogenesis of Major Human Diseases | 3 |
| PATH:6220 | Seminar in Pathology (taken two semesters for 1 s.h. each) | 2 |
| BIOS:4120 | Introduction to Biostatistics | 3 |
| BMED:5207 | Principles of Molecular and Cellular Biology | 3 |
| BMED:7270 | Scholarly Integrity/ Responsible Conduct of Research I | 0 |
| BMED:7271 | Scholarly Integrity/ Responsible Conduct of Research II | 0 |

Required coursework results in a basic understanding of molecular and cellular biology, a basic understanding of biostatistics, and an advanced understanding of pathobiology and mechanisms of human disease.

Electives

The remaining graduate-level coursework consists of electives focused on the area or topic related to a student's thesis project. The elective courses are offered by a range of departments on the biomedical campus.

Thesis

The thesis project is carried out under the guidance of the mentor and thesis committee. The committee is composed of a student's mentor and two additional faculty members. In general, the thesis consists of four chapters with the first being a concise review of the literature; the second, materials and methods; and the last two, a scholarly description of the project results. The thesis must be defended before the committee prior to final approval.

For more information, view the Master of Science in Pathology on the Department of Pathology website.