



Department of Pathology Master of Science Graduate Program
University of Iowa College of Medicine
<http://grad.path.uiowa.edu>

Mission

The Department of Pathology Master of Science Program is dedicated to preparing post-baccalaureate science majors for careers in biomedical research. Graduate-level coursework provides students with a foundation in cell and molecular biology, and a laboratory-based thesis project equips trainees with contemporary research skills. Graduates from the program are sought after as research scientists in academic and private sector laboratories, or advance into doctoral-level programs.

Program overview

Students entering the program typically complete all requirements for the Master of Science degree within 30 months. Requirements include 21 hours of graduate-level coursework and a research thesis. Coursework begins upon entry into the program and is completed by the end of the second year. During the first semester, students rotate in a minimum of two laboratories for the purpose of choosing a faculty mentor and area of study for their thesis project. At present, the Department of Pathology has laboratories focused on the areas of immunology, microbiology, neuroscience and tumor biology and cancer. Students begin work on their project once they commit to a laboratory, and usually defend their thesis after their second year.

Curriculum

All students in the program are required to take Principles Molecular & Cellular Biology (BMED:5207), Translational Histopathology (PATH:5260), Pathogenesis of Major Human Diseases (PATH:5270), Seminar in Pathology (PATH:6220), Introduction to Biostatistics (BIOS:4120) and Principles of Scholarly Integrity. Remaining coursework consists of electives focused on the area or topic of the student's thesis project. These electives are graduate level courses offered by a range of departments on the biomedical campus.

Thesis

The thesis project is carried out under the guidance of the thesis committee. The committee is composed of the 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.

Financial Support

All full time students admitted into the program receive stipend and tuition support. Stipend support is at the same level with other graduate programs in the College of Medicine. For the forthcoming academic year, the annual stipend is \$27,500.

Admission

Science majors with a baccalaureate degree are invited to apply for admission to the Pathology Master of Science program. The following application materials must be submitted on-line to the Graduate Admissions office prior to consideration: Graduate College application, official transcripts from all attended undergraduate and graduate institutions, recent Graduate Record Examination (GRE) scores, three letters of recommendation, personal statement, CV and application fee. Foreign student applicants whose native language is other than English must also submit recent Test of English as a Foreign Language (TOEFL) scores. The on-line application portal can be found at:

<https://grad.admissions.uiowa.edu/apply>

Information

For more information on the Department of Pathology Graduate Program and application instructions, please visit our website at: <http://grad.path.uiowa.edu/index.html>, or contact the program director at thomas-waldschmidt@uiowa.edu