

Summary of Curriculum Requirements for Molecular & Cellular Basis of Disease

First Semester

Core Classes:

BIMS 5012 Cell Structure and Function
BIMS 8010 Gene Structure, Expression and Regulation
BIMS 5030 Macromolecular Structure and Function
PATH 8130 Topics in Molecular Basis of Human Disease I
(PATH 8130 may be taken in the 2nd year, Fall Semester)

3 Research Rotations
PATH 8440

Choose lab by last Friday in April.

Second Semester

Core Classes:

PATH 8140 Topics in Molecular Basis of Human Disease II
(PATH 814 may be taken in the 2nd year, Spring Semester)
BIMS 8320 Grad Physiology
BIMS 7100 Research Ethics
Elective (*choose 1*): Pathology (PATH 8620 Advanced Topics & Techniques in Cell Signaling), Pharmacology, Practical Molecular Medicine; Genetics, Molecular Pathogenesis, Immunology, Molecular Basis of Carcinogenesis, Vascular Biology, Neurophysiology, Development and Reproduction

Second Year

Decide thesis committee.

12 credits of advanced electives, which includes:
PATH 8060 Rotation in Clinical Pathology (*arrange with faculty*)
PATH 8058 Topics in Medical Pathology (*starts in May*)
PATH 8050 Colloquium in Human Disease Research
PATH 8460 Seminars in Human Disease and Molecular Medicine
Attend relevant journal club (PATH 8050 required, or if necessary, PATH 8920).
Take qualifying exam (*by September*).

PATH 9998/9999 PhD
Research Credits

3rd year and beyond:
PATH 9999 PhD
Research Credits

Progress to Thesis