

ANATOMY AND CELL BIOLOGY (ANAT)

About Anatomy and Cell Biology

The Department of Anatomy and Cell Biology provides courses in:

- cell biology
- histology
- embryology
- neuroanatomy
- gross anatomy

The **honours program** is designed as the first phase in the training of career cell and molecular biologists. The **major** and **liberal programs** offer decreasing levels of specialization in Anatomy and Cell Biology but with a broader base in other biological sciences. These programs also form a sound background for graduate studies in anatomy and cell biology, or for further professional training, including medical school and other health programs. A B.Sc. in Anatomy and Cell Biology provides an excellent preparation for technical and administrative positions in laboratories of universities, research institutions, hospitals, and pharmaceutical and biotechnological industries.

The department is equipped to perform protein purification; recombinant DNA technology; micro-injection of molecules into single cells; cytochemical, immunocytochemical, and fluorescent analysis and electron microscopy; proteomics; and genomics. The department has a well-equipped centre for electron microscopy as well as a centre for confocal and immunofluorescence. The department's cryo-electron microscope facility is unique and provides cutting edge technology with which to apply fundamental discoveries to therapeutic applications. Human anatomy classes are taught in the fully equipped cadaver lab and students have access to 3D printers and other learning tools.

Available Programs

- Anatomy and Cell Biology Honours (B.Sc.) (73 credits)
- Anatomy and Cell Biology Liberal Program - Core Science Component (B.Sc.) (47-48 credits)
- Anatomy and Cell Biology Major (B.Sc.) (67 credits)

Location

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