Department of Anatomy & Cell Biology

Program information session for incoming CEGEP students

June 3, 2022

11:30 am – 12:30 pm

Introduction to the program

▶ Anatomy & Cell Biology (ACB) is one of 5 departments with BSc students in the School of Biomedical Sciences within the Faculty of Medicine & Health Sciences

  ❖ Other Biomedical Science programs: Biochemistry, Microbiology & Immunology, Pharmacology and Physiology

▶ Approx. 425 undergraduate students, 50 graduate students, 70 core and affiliated professors

▶ Department offers courses in cell biology, histology, embryology, neuroanatomy, human anatomy and more…

▶ Flexible program with a wide range of complementary course options in U2 and U3

▶ **Department Chair:** *Craig Mandato*

▶ **Undergraduate Program Advisor:** *Penny Kaill-Vinish*

Possible career options

- ▶ Graduate Studies
    - ❖ Ph.D.
    - ❖ M.Sc
- ▶ Industry
    - ❖ Biotechnology
    - ❖ Pharmacology
    - ❖ Bioinformatics
- ▶ Teaching
    - ❖ CEGEP
    - ❖ Elementary/High School
- ▶ Law
    - ❖ Patent Law

- ▶ Medical field
    - ❖ Medicine
    - ❖ Dentistry
    - ❖ Nursing
    - ❖ Physical/Occupational Therapy
    - ❖ Veterinary Medicine
    - ❖ Pharmacy
    - ❖ Optometry
- ▶ Many other areas
    - ❖ Science/technical writing
    - ❖ Epidemiology/Public Health

*The **Career Planning Service** is a great resource for career exploration and development: mcgill.ca/caps. Connect with them early in your degree!*

Will this program get me into medical school?

▶ *Sure, you can get into medical school from the Anatomy & Cell Biology program!*

▶ You can also be admitted to medical school from many other programs…

  ❖ Most important factors are typically **strong undergraduate grades** and the completion of all necessary **prerequisites** (science courses, MCAT, CASPer, writing/humanities courses, etc.)

  ❖ You can accomplish this in lots of different programs

▶ Choose a program that you think you will be engaged and interested in what you're learning for the next 3 years

  ❖ Students tend to be more successful academically when they're in a program they enjoy!

ACB program options

▶ **Liberal program** – 47-48 credits

- ❖ Must also complete a Science Minor or Arts Minor/Major Concentration
- ❖ Good for students who want a broader focus and to study in two different areas

▶ **Major program** – 67 credits

- ❖ Most students complete this program option
- ❖ Flexibility when choosing Complementary Courses

▶ **Honours program** – 73 credits

- ❖ Entry after all U1 courses are complete and requires a minimum CGPA of 3.2
- ❖ Includes 9-credit ANAT 432 Honours Research Project
- ❖ Complementary Courses focus on Advanced Anatomy Course list

BSc degree structure

▶ **BSc degree = 120 credits**

- ❖ 30 credits advanced standing from CEGEP + 90 credits completed at McGill

▶ **90 McGill credits could look like:**

- ❖ 67 credits ACB Major + 23 credits of electives

- ❖ 73 credits of ACB Honours program + 17 credits of electives

- ❖ 67 credits ACB Major + 18 credits Minor + 5 (6) credits electives

▶ **Students with course exemptions for CHEM 212 (4 credits), CHEM 222 (4 credits) or statistics (3 credits):**

- ❖ Reduces the number of credits for the ACB program and increases the number of credits for electives/Minor program

- ❖ E.g., Student with an exemption for CHEM 212: 63 credits ACB Major + 27 credits electives/Minor

Types of courses

▶ **Required courses:** specific courses that must be taken to complete a program (e.g., ANAT 261)

▶ **Complementary courses:** courses chosen from a list of different course options (e.g., the Advanced Anatomy Courses list in the ACB programs)

▶ **Elective courses:** courses which count towards the credits needed for your degree, but not towards a program

   ❖ Students with course exemptions for CHEM 212, CHEM 222 or the statistics requirement will replace these credits with **electives/Minor program courses**

   ❖ Students in the BSc can take any courses offered by the Faculty of Science or the Faculty of Arts as electives (as long as you have any needed prerequisites)

   ❖ Courses in other faculties (Management, Education, etc.) must be on the Approved lists for the Faculty of Science – found in the **Undergraduate Handbook** on the SOUSA website

U1 Registration

Fall (14 credits total)

- ANAT 261 Introduction to Dynamic Histology (4 cr)
- BIOL 200 Molecular Biology (3 cr)
- CHEM 212 Introductory Organic Chemistry 1 (4 cr)
- PHGY 209 Mammalian Physiology 1 (3 cr)

Winter (15 credits total)

- ANAT 212 Molecular Mechanisms of Cell Function (3 cr)
- ANAT 262 Introductory Molecular and Cell Biology (3 cr)
- BIOL 202 Basic Genetics (3 cr)
- PHGY 210 Mammalian Physiology 2 (3 cr)
- Elective or Minor course (3 cr)

* Students with an exemption from CHEM 212 can replace it with CHEM 222 or an elective/Minor program course

Registration tips

▶ Start by reading over the information on our New Students page: mcgill.ca/anatomy/undergraduate/new-students

▶ Before trying to register for any courses, **add your program** under the Student Records menu in Minerva ("Change Your Primary Curriculum" option)

▶ Use Visual Schedule Builder (vsb.mcgill.ca) as a tool to plan your schedule, but also **read the information in the course listings in Minerva**

▶ If you have difficulty registering for a REQUIRED course, contact the department offering the course for assistance: mcgill.ca/science/undergraduate/advice/program-advisers

▶ For **elective courses**, you will usually have to wait for space to open up (and register for back-up courses in case you can't get into your first choice!)

ACB program advising

- Undergraduate Program Advisor: **Penny Kaill-Vinish**
  - Email: undergradadvisor.acb@mcgill.ca
  - Advising schedule and appointment links: mcgill.ca/anatomy/undergraduate/advising
- Virtual **drop-in advising sessions: June 6 - 15**
  - Held on Zoom, no need to register in advance
- **Online advising appointments:**
  - Through MS Teams, booked in advance

* You will also have an overall BSc degree advisor at SOUSA: mcgill.ca/science/undergraduate/advice/sousa and you'll see their name on your Unofficial Transcript in Minerva by the end of June

Thanks for attending today!

Questions?

Please write them in the chat or use the raise hand function (found under the Participants option) to let me know you have a question.