Why GRADUATE STUDIES in ANATOMICAL SCIENCES?

The Department of Biomedical and Molecular Sciences at Queen’s University offers a 16 month Master of Science program in Anatomical Sciences.

This program is structured around three pillars of competency (content, pedagogy, inquiry) and designed to educate students interested in the art of teaching and designing curricula in the anatomical sciences. Graduates of our MSc Anatomical Sciences program have pursued careers at both Canadian and foreign colleges and universities as health services education co-ordinators or have gone on to further their education as medical students or PhD students.

POTENTIAL RESEARCH at QUEEN’S

At Queen’s, our established strengths are in the areas of cancer, injury, obesity, disability, and mental health epidemiology as well as research in various health services contexts including public health, primary care, cancer care and critical care. We also have some emerging strengths in the areas of Northern health, Aboriginal health, and global health studies.

Program STRUCTURE

MSc (Anatomical Sciences): 16 months Full Time

Course WORK

- Principles of Teaching & Learning
- Microteaching
- Curriculum Design
- Advanced Gross Anatomy
- Advanced Topics in Embryology
- Advanced Topics in Neuroanatomy
- Advanced Topics in Histology & Histology Techniques
- Independent Studies in Anatomy & Cell Biology/Pedagogy

PRACTICUM

- Embalming Techniques
- Freeze Drying Techniques
- Plastination Techniques
- Museum Specimen Production
- Electronic Media
- Digital Imaging Techniques for Gross Anatomy
- Neuroanatomy
- Histology
- Lecturing & Demonstrating

Visit the Biomedical & Molecular Medicine website for more details on research areas. When you find a faculty member with similar research interests to yours, contact him/her and tell them about your interest in graduate work and related experience.

“This program is one of the most well rounded and well equipped of its kind. It presents students with an array of opportunities for skill development, and the people that are/or have been a part of it are the testament to this fact. While challenging at times, the knowledge and experiences you gain are totally worth it.”

– Maria Komisarenko, Class of 2011
**Anatomical Sciences MSc MAP**

**MASTERT OF SCIENCE (MSc)**

**GETTING STARTED**
- Begin your coursework.
- Find your way through the academic process with help from departmental and Expanding Horizons professional development workshops, the department Grad Chair and the SGS website.

**INTERMEDIATE STAGE**
- Continue your core coursework and choose electives that deepen knowledge and skills in your areas of interest.
- Begin your MSc (AS) project.

**WRAPPING UP**
- Complete your course work.
- Finalize your MSc (AS) project.

**WHAT WILL I LEARN?**
A graduate degree in Anatomical Sciences can equip you with valuable and versatile skills, such as:
- Knowledge and technical skills
- Effective communication skills in multiple forms for diverse audiences
- Information management: prioritize, organize and synthesize large amounts of information
- Time management: meet deadlines and manage responsibilities despite competing demands
- Project management: develop ideas, gather information, analyze, critically appraise findings, draw and act on conclusions
- Creativity and innovation
- Perseverance
- Independence and experience as a collaborative worker
- Awareness, an understanding of sound ethical practices, social responsibility, responsible research and cultural sensitivity
- Professionalism in all aspects of work, research, and interactions
- Leadership: initiative and vision leading people and discussion

**WHERE CAN I GO?**
A Master’s degree in Anatomical Sciences can take your career in many directions. Our Master’s students are equipped with a strong foundation for careers in:
- Data Analysis (Health units, government agencies)
- Health research (research associates in universities, hospitals, government, public health units)
- Project management in pharmaceutical and scientific research industries
- Academic and research labs
- Scientific supply companies
- Teaching positions in academic institutions or the private sector
- Technical positions in academic institutions or the private sector
- Taking time to explore career options, build experience, and network can help you have a smooth transition to the world of work after graduation.

Visit careers.queensu.ca/gradmaps for the online version with links! *This map is intended to provide suggestions for activities and careers, but everyone's abilities, experiences, and constraints are different. Build your own Grad Map using our online My Grad Map tool.
Application FAQs

What do I need to know to APPLY?

ACADEMIC REQUIREMENTS
- Recognized BSc degree with a background in Biology or Health Sciences or equivalent professional degrees (BNSc, BSc PT).
- Grade requirements: Minimum B+ over 2nd to 4th years, over all courses taken.

ADDITIONAL REQUIREMENTS
- If English is not a native language, prospective students must meet the English language proficiency requirements in writing, speaking, reading, and listening.
- If required, TOEFL scores of 550 (paper-based) or TOEFL iBT minimum scores of: writing (24/30); speaking (22/30); reading (22/30); listening (20/30), for a total of 88/120. Applicants must have the minimum score in each test as well as the minimum overall score.

KEY DATES & DEADLINES
- Application due: February 15.
- Short listed candidates will be interviewed in April for a September start.

KEY DATES & DEADLINES
- Funding for students enrolled in our MSc., Anatomical Sciences program is variable.

Before you start your application, please review the Graduate studies application process.

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