Graduate Studies 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 (28/30); 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.

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.

Why 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

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

Why is this program 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

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2020-2021
Anatomical Sciences MSc MAP *

**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 Habitat.

**INTERMEDIATE STAGE**

- Continue your core coursework and choose electives that deepen your knowledge and skills in your areas of interest.
- Begin your MSc (AS) project.
- Apply to various practicum placement opportunities or negotiate your own placement.
- Confirm your placement and preceptor and complete the administrative requirements.

**WRAPPING UP**

- Complete your course work.
- Finalize your MSc (AS) project.
- Leverage your practicum experience to clarify your professional goals, and help you transition from graduate studies to professional work in anatomical sciences.
- Attend a major conference in your field. There are many to choose from, so talk to your supervisor for advice on which ones would be most relevant.
- Consider putting an article in The Conversation.

**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:

- Technical positions in academic and research laboratories
- Scientific supply companies
- Academic and research labs
- Scientific research industries
- Health research (research associates and scientific research industries)
- Project management in pharmaceutical and scientific research industries
- Data Analysis (Health units, government agencies)
- Health research (research associates in universities, hospitals, government, public health units)
- Teaching positions in academic institutions or the private sector
- Professionalism in all aspects of work, research, and interactions
- Leadership: initiative and vision leading people and discussion

**ENGAGE WITH YOUR COMMUNITY**

- Explore how you can connect with your community through experiential opportunities on- and off-campus.
- Consider volunteering with different community organizations, such as Kingston General Hospital.
- Participate in your graduate and professional community through activities such as graduate student outreach programs, organizing conferences, professional associations, and at conferences. Get help from a Career Services workshop.
- Practice articulating the skills you have been developing in different forums: casual conversations, networking, interviews. Get help from a Career Services workshop.
- Investigate internships from MITACS and other sources.
- Check out opportunities for extra training through CTL, Expanding Horizons, MITACS, or other sources to boost your skills.

**BUILD SKILLS AND EXPERIENCE**

- Consider positions in student services, the SGPS, or media outlets like the Queen’s Journal, CFRC, Studio Q and the SGS Blog. Look in the AMS Clubs Directory for more ideas.
- Serve on departmental, faculty or university committees.
- Check out professional development workshops from Expanding Horizons.
- Start keeping an portfolio of your skills, experiences and competencies.
- Seek opportunities to deepen your public health experience and connections.
- For help with teaching, get support from the Centre for Teaching and Learning. Enroll in SQS902 or the PLTL Certificate for more professional development in teaching and learning.

**LAUNCH YOUR CAREER**

- Finding a career that fits starts with knowing yourself. Get help by taking a Career Services workshop or meeting with a career counselor. Check out books like So What Are You Going to Do With That? or Planning a Scientific Career in Industry.
- Start reading publications like University Affairs and the Chronicle of Higher Education. Browse non-academic labour market websites. Stay on the lookout for special events like Graduate Student Career Week to explore your career pathways.
- Check admission test deadlines if needed for further studies.

- Explore different careers of interest by using Queen's Connects on LinkedIn to connect with Queen's alumni. Check out Career Cruising for more information.
- If you are considering a PhD, explore programs of interest reach out to Four Directions Indigenous Student Centre.
- Find out about career opportunities from, so talk to your supervisor for advice on which ones would be most relevant.
- Consider putting an article in The Conversation.

**MAXIMIZE RESEARCH IMPACT**

- Participate in graduate and professional community through activities such as graduate student outreach programs, organizing conferences, professional associations, and at conferences. Get help from a Career Services workshop.
- Practice articulating the skills you have been developing in different forums: casual conversations, networking, interviews. Get help from a Career Services workshop.
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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.