

Anatomical Sciences MSc Map

Applying to and Navigating Graduate Studies

GRAD MAP FOR MSc STUDENTS 

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 the areas of Northern health, Indigenous health, and global health studies.



Program STRUCTURE

MSc (Anatomical Sciences): 16 months Full Time

Course WORK

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

"The Anatomical Sciences program is incredibly well-designed to offer students educational experiences outside of the traditional lecture. Anatomy courses, paired with dissection, teaching, and a thesis project, offer students countless ways to support and further their knowledge of anatomy and teaching. All the while, students are supported by caring faculty that truly want to see you succeed. A great 16 months!"

- Sara Girardi, Class of 2020

PRACTICUM

- Digital Imaging Techniques for Gross Anatomy and Histology
- Electronic/Digital Applications
- Embalming/Preservation Techniques
- Plastination Techniques
- Museum Specimen Production
- Cadaveric Dissection and Related Applications
- Histology
- Neuroanatomy
- Lecturing and Lab Demonstration
- Basic Science or Pedagogical Based Research



GRADUATE STUDIES AND POSTDOCTORAL AFFAIRS

queensu.ca/grad-postdoc

2025-2026

Anatomical Sciences MSc Map

MASTER OF SCIENCE (MSc)



GETTING STARTED

INTERMEDIATE STAGE

WRAPPING UP

ACHIEVE YOUR ACADEMIC GOALS

- Begin your coursework.
- Find your way through the academic process with help from departmental and School of Graduate Studies and Postdoctoral Affairs (SGSPA) professional development workshops, the department Grad Chair, and the SGSPA website.

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 educator and coach. Check out the Career Resource Area for advice on various career options.
- Start reading publications like University Affairs and the Chronicle of Higher Education. Browse non-academic labour market websites.
- Check admission test deadlines if needed for further studies.

BUILD SKILLS AND EXPERIENCE

- Consider positions in student services, the SGPS, or media outlets like the Queen's Journal, CFRC, Studio Q, and the SGSPA Blog. Look in the AMS Clubs Directory for more ideas.
- Serve on departmental, faculty, or university committees.
- Check out professional development workshops from School of Graduate Studies and Postdoctoral Affairs professional development.

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.

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

- Explore different careers of interest by using 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 faculty, and apply to PhD programs and external scholarships.
- Find impactful work that aligns with your values using the Queen's Career Guide to the UN Sustainable Development Goals.

- Start keeping an ePortfolio 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. Enrol in SGS902 or the PUTL Certificate for more professional development in teaching and learning.

- Participate in your graduate and professional community through activities such as graduate student outreach programs, organizing conferences, and research groups.
- Prepare for work or studies in a multi-cultural environment by taking the Intercultural Awareness Training Certificate hosted by QUIC and Four Directions Indigenous Student Centre.
- International students interested in staying in Canada can speak with an International Student Advisor.

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

- Participate in hiring committees and attend job talks. Research careers of interest. Craft your CV or resume and job application materials.
- Start focusing on areas of interest. Research organizations of interest and start putting together your industry resume and beginning of your job search plan. Get help from Career Services with job searching, resumes, and interviews.

- Practice articulating the skills you have been developing in different forums: casual conversation, networking, interviews. Get help from a Career Services workshop.
- Investigate internships from MITACS and other sources.
- Check out opportunities for extra training through CTL, School of Graduate Studies and Postdoctoral Affairs professional development, MITACS, or other sources to boost your skills.

- Do some targeted networking with people working in careers of interest, through LinkedIn, the Queen's Alumni Association, professional associations, and at conferences. Get help from a Career Services workshop.

Knowledge & Workplace Skills

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

Career Possibilities

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:

- Academic and research labs
- 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
- 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.

How to use this map

Use the 4 rows of the map to explore possibilities and plan for success in the five overlapping areas of career and academics. To make your own custom map, use the My Grad Map tool: careers.queensu.ca/gradmaps.

Graduate Studies FAQs

How do I make the most of my time at Queen's?

Use the Grad Map to plan for success in five overlapping areas of your career and academic life. Everyone's journey is different - the ideas on the maps are just suggestions to help you explore possibilities. For more support with your professional development, take advantage of the SGSPA professional development framework and the new Professional Development Plan (PDP) process to set customized goals to help you get career ready when you graduate.

Where can I get help?

Queen's provides you with a broad range of support services from your first point of contact with the university through to graduation. Ranging from help with academics and careers, to physical, emotional, or spiritual resources – our welcoming environment offers the programs and services you need to be successful, both academically and personally. Check out the [SGSPA website](#) for available resources.

What is the community like?

At Queen's, graduate students from all disciplines learn and discover in a close-knit intellectual community. You will find friends, peers and support among the graduate students enrolled in Queen's more than 130 graduate programs within 50+ departments & research centres. With the world's best scholars, prize-winning professional development opportunities, excellent funding packages and life in the affordable, historic waterfront city of Kingston, Queen's offers a wonderful environment for graduate studies. Queen's is an integral part of the Kingston community, with the campus nestled in the core of the city, only a 10-minute walk to downtown with its shopping, dining and waterfront. For more about Kingston's history and culture, see Queen's University's Discover Kingston page.

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 March for a September start.

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- 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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