

Anatomical Sciences MSc Map

Applying to and Navigating Graduate Studies

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, Indigenous health, and global health studies.

Program Structure

MSc (Anatomical Sciences):
16 months Full Time



"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

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

- 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

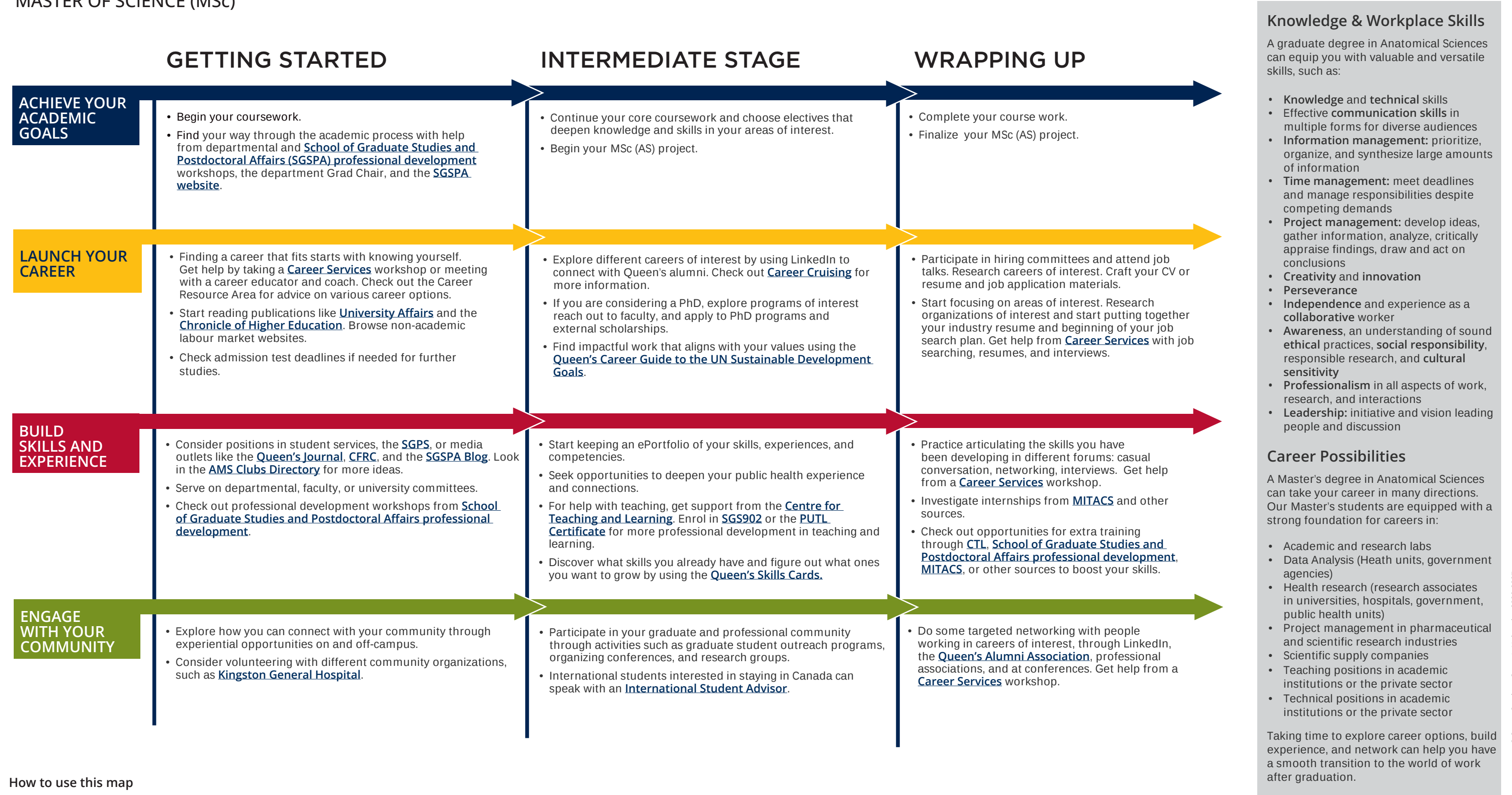
Practicum

- Digital Imaging Techniques for Gross Anatomy and Histology



Anatomical Sciences MSc Map

MASTER OF SCIENCE (MSc)



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 (Heath 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?

Queen's offers graduate students from every discipline a close-knit intellectual community where they can learn, discover, and build lasting connections. With more than 130 graduate programs across 50+ departments and research centres, students benefit from world-class scholars, prize-winning professional development, generous funding packages, and life in the historic waterfront city of Kingston. The campus sits at the heart of Kingston, just a 10-minute walk from downtown's shops, restaurants, and waterfront, and is deeply integrated with the local community. For more on 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 first language, nor was the language of instruction in undergraduate studies, prospective students must meet English language proficiency requirements in writing, speaking, reading, and listening as part of the application process, and before final acceptance is granted, as per School of Graduate Studies and Postdoctoral Affairs' regulations.

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.

