

GRADUATE STUDIES 2022/23 INFORMATION SHEET

COLLABORATIVE SPECIALIZATION – DEVELOPMENTAL BIOLOGY

MSc, PhD

The Collaborative Specialization in Developmental Biology is one of only three programs in Canada that train at the MSc and PhD level. Through the Program, you will receive a broad and comprehensive experience in the study of how organisms are formed and how these early events can influence later life.

You will be exposed to a wide range of areas and work alongside scientists who:

- Model systems to understand early embryogenesis, organ development and stem cell biology;
- Examine the effects of the environment on embryo and fetal developments and its implications on post-natal health.

You will have the opportunity to study:

- The development of model invertebrates
- Amphibians
- Mammals
- Fish

In addition to coursework tailored for students with an interest in Developmental Biology, trainees in the program have enhanced opportunities to:

- collaborate with students and researchers at Western and the Children's Health Research Institute
- present their work at local conferences
- attend relevant workshops
- participate in and lead outreach events
- acquire additional studentship and travel funding

CAREERS

Graduates from our programs have pursued careers as a:

- Medical Education Project Manager at CTC Communications Corporation
- Research Assistant at Princess Margaret Cancer Centre
- Application Development Specialist at Fluidigm
- Senior Communications Specialist at Finastra
- Front-End Developer and Computer Coder
- Scientist at Think Research Company
- Clinical Liaison at EMD Serono Inc.
- Consultant in private industry
- Technician at Karyotekk Inc.

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	MSc	PhD
TIME TO COMPLETION	Typically 2 years	Typically 3-5 years
ADMISSION REQUIREMENTS	<p>1. The student must be accepted into the graduate program of one of the program's host departments:</p> <ul style="list-style-type: none"> • Biology • Anatomy and Cell Biology • Biochemistry • Microbiology and Immunology • Physiology and Pharmacology • Pathology and Laboratory Medicine <p>2. Be working with a supervisor that is a member of the program.</p> <p>3. Submit a completed application form to the Director of the Developmental Biology Collaborative Specialization. The application includes a brief description of how the program aligns with your research interests and project, as well as a list of relevant research experiences and/or coursework. Applications should be submitted by the deadline and after acceptance into the home department graduate program with approval by the supervisor.</p>	
APPLICATION DEADLINES	Applications should be submitted by mid-August of each academic year.	
FUNDING	<p>Students may be eligible for:</p> <ul style="list-style-type: none"> • Base Stipend • Western Graduate Research Scholarship • Ontario Graduate Scholarship • Canada Graduate Scholarship • Teaching Assistant Stipend • Research Assistant Stipend • Internal and External Scholarships 	

Students are required to have a potential supervisor identified to apply to the Developmental Biology program. However, you will already be registered in one of the host departments and, therefore, working with faculty prior to applying to the program.

Please visit our website at schulich.uwo.ca/gradstudies/developmental_biology or send an email to gradstudies@schulich.uwo.ca for more information.