Experiential learning at the University of Guelph means learning through action and reflection. Whether inside or outside the classroom, experiential learning activities provide you with the chance to gain knowledge and skills that will prepare you for your future.

Each course listed in this guide is structured with diverse experiences that will challenge you to learn through action. The **high intensity courses** listed include opportunities to work in a real or simulated workplace, and to complete a self-assessment to help you reflect on what you have learned, the skills you have developed, and your readiness for the world of work.

*Note: Consult the academic calendar for detailed course descriptions, prerequisites, and restrictions. Courses listed may not always be offered and are subject to change. Consult with offering departments for current availability.*

### Applied Research

An applied research course allows you to conduct research under faculty guidance in an academic, industry, or community setting. This experience will allow you to engage in systematic investigation and research in your field while being evaluated by faculty supervisors or staff.

- **BIOM*4510** - Research in Biomedical Sciences
- **BIOM*4521/2** - Research in Biomedical Sciences
- **MCB*4500** - Research Project in Molecular & Cellular Biology I
- **MCB*4510** - Research Project in Molecular & Cellular Biology
- **MCB*4600** - Topics in Molecular and Cellular Biology
- **NEUR*4401/2** - Research in Neurosciences
- **NEUR*4450** - Research in Neurosciences

### Community Engaged Learning

A course that incorporates community engaged learning asks you to connect your learning and skill development to theoretical concepts through activities designed with a community organization to achieve mutually beneficial outcomes.

- **BIOL*3660** – Internship in Biological Sciences (New in 2019/20)

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**Experiential Learning Guide**

**Biological Sciences**

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**More information and support**

For information about experiential learning at U of G, please visit: [www.uoguelph.ca/experientiallearning](http://www.uoguelph.ca/experientiallearning).

Or email: experience@uoguelph.ca
Course-Integrated

A course that has integrated experiential learning when it intentionally includes activities such as structured projects, laboratory work, design, simulations, performances, case studies, or entrepreneurship to enable you to display their academic learning and skill development.

- BIOC*3570 - Analytical Biochemistry
- BIOL*3650 - Applications in Biology
- BIOL*4020 – Integrative Problems in Biological Science (New in 2019/20)
- MBG*3350 - Laboratory Methods in Molecular Biology I
- MICR*3430 - Advanced Methods in Microbiology
- NEUR*3500 - Techniques in Neuroscience