



**UNIVERSITY
OF ALBERTA**

Department of Physiology

Unique Offerings

Certificate in Biomedical Research

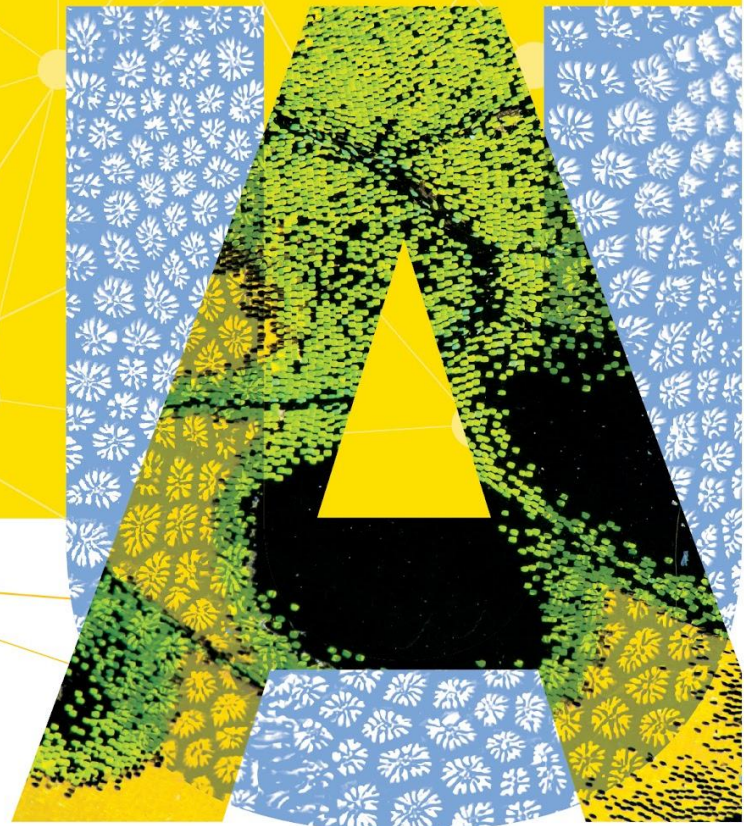
Students who pursue this certificate will be engaged in world-class biomedical research and will acquire a broad range of skills through substantive laboratory courses and independent research project experiences. As an optional embedded certificate, courses taken also count towards a student's degree.

Redefining the Classroom

We provide students with the opportunity to gain hands-on research experience by providing fourth-year laboratory courses and research projects as well as the opportunity to participate in the **Undergraduate Summer Students' Research Program** under the supervision of a faculty member.

Shaping the World

With over 100 years of excellence in teaching, research and service to the community, students can work alongside professors to investigate interventions for respiratory disorders or even discover ways to reverse bone diseases such as osteoporosis.



More Information

ualberta.ca/physiology

Undergraduate Programs

While the Department of Physiology is housed within the Faculty of Medicine & Dentistry, the undergraduate degrees are offered through the Faculty of Science.

PHYSIOLOGY - BSc Major | BSc Honors

Physiology is the integrative study of cellular and whole-body function, and is the pivotal discipline linking other basic biomedical sciences on the one hand with experimental and clinical medicine on the other.

Courses are available for students with interests in particular branches of the life sciences such as:

- Cardiovascular Physiology
- Cellular and Molecular Physiology
- Endocrinology
- Fetal/Neonatal Physiology
- Membrane Biophysics and Transport Physiology
- Cellular and Systems Neurophysiology
- Renal Physiology
- Respiratory Physiology
- Vision

The honors program is designed to prepare students for advanced study leading to careers in academia, industrial research, or for entry into health-related professions.

Possible Careers

- Cardiovascular Physiologist
- Cardiovascular Technologist
- Health Care Professions
- Medical Error Consultant
- Medical Librarian
- Pharmaceutical Researcher
- Professor/Teacher
- Reproductive Physiologist
- Respiratory Specialist

Note: Additional education or specialized training is required for many occupations.



For admission requirements: ualberta.ca/admissions

For admission related questions: science.recruiting@ualberta.ca