

Physiology, Bachelor of Science

Physiology is the study of life, specifically, how cells, tissues, and organisms function. Physiologists are constantly trying to answer key questions in areas ranging from the functions of single cells to the interactions between human populations and our environment here on earth, the moon, and beyond. To answer these questions, physiologists work in laboratories, in libraries, in the field, and in space. Physiology is important because it is the foundation upon which we build our knowledge of what "life" is, how to treat disease, and how to cope with stresses imposed upon our bodies by new environments. Physiological studies of normal biological function provide the basis for understanding the abnormal function seen in animal and human disease (pathophysiology) and for developing new methods for treating those diseases (translational research). The study of physiological processes can encompass a wide array of other disciplines, such as neurophysiology, pharmacology, cell biology, and biochemistry, to name just a few.

What you can be with your Physiology, Bachelor of Science Degree:

Lab Assistant #4122	Clinical Assistant #3414	Pharmaceutical Sales Person #6221	Medical Equipment and Supplies Salesperson #6221
Research Assistant #4122	Biological Researcher #2121	Technology Transfer Officer #4131	Water Quality Inspector #2262
Bacteriological Technician #2221	Pest Control Consultant #7444	Hunger Policy Analyst #3132	Medical Illustrator #5241
Management Consultant #1122	Benefits Officer #1432	Market Researcher #4163	Academic Advisor #4143
Educator/Trainer #4131	Alumni Relations Officer	Marketing Specialist	Insurance Agent #6231
Public Relations Consultant #5124	Recruiter #1223	Human Resources Specialist #1121	Job Analyst #1121
Writer #5121	Editor #5122	Reporter #5123	Journalist #5123
Broadcaster #5231	Publisher #0016	Producer #5131	Executive Producer #0512
Web Developer	Data Management Administrator #2172	Policy Analyst #4161	Informatics Specialist #2171

This career/job listing is only a sample of the possible career options; these are certainly not the only career/job options accessible with this degree/diploma. Some of the careers listed require further education.

For career information, enter the four digit number listed below in the Alberta Learning Information Services Website (www.alis.alberta.ca) or the National Occupational Classification Website (<http://www5.hrsdc.gc.ca/NOC/>).

RDC Career Services can help you explore your interests, identify your goals, discuss your career options and job search strategies and discover how to make the most of your education. Email or give us a call to connect with a career counsellor.

RDC Department Information: Physiology, Bachelor of Science Degree rdc.ab.ca/programs/sciences

With additional education I could be a:

Naturopathic Practitioner #3132	Fitness Program Director #0513	Professor #4121	Nutrition Researcher #3132
Nutritional Chemist #2112	Dietitian #3132	Dentist #3113	Patent Agent #4161
Biological Scientist #2121	Forensic Laboratory Technologist #2221	Medical Doctor #3112	Paramedic #3152
Disease Control Specialist #3142	Nurse #3152	Pharmacist #3131	Public Health Director #0411
Exercise/Physical Therapist #4167	Nutritionist #3132	Sports Medicine Physician #3111	Biomedical Engineer #2131

Potential employers:

Educational Institutions	Correctional & Rehabilitation Facilities	Government	Health & Sports Organizations
Health Services	Laboratories	Medical Schools	Research Centre

Major Skills Obtained from Physiology, Bachelor of Science Degree Program

- Critical thinking and analytical skills
- Verbal and written communication skills
- Ability to work independently as well as part of a team
- Project management
- Problem solving
- A thorough knowledge of the functions of the human body
- Laboratory experience
- Quantitative skills
- Specialized subject knowledge

Professional Associations and Sites of Interest

The American Physiological Society - www.the-aps.org

The Physiological Society - www.physoc.org

Canadian Physiotherapy Association - www.physiotherapy.ca

The Centre for Nonlinear Dynamics in Physiology and Medicine - www.cnd.mcgill.ca

Canadian Federation of Biological Society - www.cfbs.org

Canadian Physiological Society - <http://cps.cfbs.org>

Federation of American Society of Experimental Biology - www.faseb.org

Collegiate Sports Medicine -

www.collegiatesportsmedicine.ca

LifeMark Health Management - www.lifemark.ca

Venta Care Centre - www.ventacarecentre.com Alta

Sask Sports Physiotherapy & Wellness -

www.altasaskphysio.ca

Wellpoint Health Services Corporation -

www.wellpointhealth.ca/

Physiotherapy Alberta College and Association -

www.physiotherapyalberta.ca

University of Alberta - www.ualberta.ca

Intercare Corporate Group -

www.intercarealberta.com/

Information adapted from mcgill.ca/caps, alis.gov.ab.ca, and business.mtroyal.ca.