

CAPE BRETON UNIVERSITY | School of Science and Technology

BACHELOR OF SCIENCE SPECIALIZATION IN BIOLOGY (REGULAR STREAM)

WHAT IS THE STUDY OF BIOLOGY?

Biology is a natural science concerned with the study of all living organisms. Although living organisms share some unifying themes, such as their origin from the same basic cellular structure and their molecular basis of inheritance, they are extremely diverse.

This diversity of life leads to many divisions in biological science. Biologists look at such topics as origins, structure, function, reproduction, growth and development, behaviour and evolution of different organisms. In addition, biologists consider how living organisms interact with each other, and the environment, on an individual and group basis.

WHY STUDY BIOLOGY AT CAPE BRETON UNIVERSITY?

- Unlike larger universities, our small class sizes provide students with the opportunity to get to know and interact with our friendly faculty and lab instructors.
- CBU's biology faculty are actively engaged in diverse fields of research including forest ecology, plant genetics, invertebrate zoology, freshwater and marine biology, avian behavioural ecology, neuroethology and vertebrate palaeontology.
- More than 85% of our courses also include a laboratory component, with an emphasis placed on hands-on activities, skills development and field-based exercises. Many of our labs take students outside the classroom to apply material learned in lectures to the forests, streams and shorelines nearby.
- Graduates of BSc Biology at CBU are prepared to go on to graduate studies to pursue research or academic careers in any branch of biology. Talk to an Enrolment Services Professional about building onto your Biology degree with post-graduate studies.

BSc Degree

**This program has
two entry points, so
students can start
in September or
January.**

To learn more about the BSc Specialization in Biology visit chalocanada.ca/bscbior

BIOLOGY COURSES

- BIOL 4603 Phylogenetic Systematics
- BIOL 4601 Evolutionary Theory
- BIOL 4505 Monitoring Biodiversity
- BIOL 4503 Behavioural Ecology
- BIOL 4453 Ichthyology
- BIOL 4431 Insect Biology & Systematics
- BIOL 4203 Advanced Human Physiology
- BIOL 4251 Biomechanics

CO-OP INTERNSHIP OPTION

All of our biology degree options provide the possibility of practical work experience through co-op work terms which, when available, are awarded to students on a competitive basis. A work term counts as a 3-credit course; two work terms (maximum of 6 credits) can be used towards your BSc degree.

PROGRAM STRUCTURE

The School of Science and Technology offers four degree options:

- 4-year Major in Biology Degree (120 credits)
- 4-year Honours in Biology Degree (120 credits)
- 4-year Double Major Degree in Biology and another Science discipline (120 credits)
- 3-year General Biology Degree (90 credits)

Students will receive a 3 or 4-year Canadian university degree upon the successful completion of the program.

ADMISSION REQUIREMENTS

Applicants to the program must have completed five Grade 12 advanced or academic courses including English, two sciences (one must be biology), and mathematics or pre-calculus, with an overall average of at least 65%. Applicants must successfully complete the IELTS exam with a score of 6.5 band average with no individual section score less than 6.0.

CAREER DEVELOPMENT SERVICES

Career Development Services will help you prepare for a successful career. Its services include individual career counselling, resume and cover letter writing, mock interviews with feedback, graduate information, labour market information and more.

CAREERS

Careers in biology can include biological technician, genetic counsellor, health educator, wildlife biologist, ornithologist, and forensic laboratory analyst among others. Areas of employment can be as varied as government agencies, scientific research and development companies, zoos, aquariums, national parks, hospitals and medical centres.

Graduates from the BSc in Biology will have developed the necessary communication, research, technical, quantitative, and critical thinking skills in order to succeed in the career of their choice.

Attention

For those students who have graduated from an Indian educational institution with a degree in this subject area, credit recognition for your Indian courses is possible.

Please contact Chalo Canada for further details.



Chalo Canada
Your Pathway to Canada

For more information contact:

e: application@chalocanada.ca
w: chalocanada.ca

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