

faculty of science



UNDERGRADUATES SHARE THEIR RESEARCH AND SOLUTIONS | 2011 Engineering Expo

DISCOVER THE FUTURE

Science is about discovery and innovation. Ultimately, it's about gaining a better understanding of the world around us. In the faculty of science at the University of Prince Edward Island, our strong focus on developing a personal experience for our students, in the classroom or in a teaching or research laboratory setting, is a point of pride. Our dedicated faculty and staff are here to guide students in every aspect of their education and to cultivate new knowledge during their time at UPEI. This is science at its best—a cycle of learning and analysis leading us to answers and better questions. This is science at UPEI.

OUR PROGRAMS

With close to 200 courses in 17 different undergraduate and graduate programs, the faculty of science at UPEI offers students a range of choices to fit their educational interests. This diverse blend of programs includes innovative approaches to learning and practical hands-on experience on the job, at a laboratory bench, and in the field.



“By adding kinesiology—the science of human movement—as a program, UPEI is offering top-level training for careers in human sciences to better satisfy the health needs of Islanders. Kinesiology is a field that offers many opportunities for our students. Graduates can pursue careers in fields of education, health promotion, rehabilitation, fitness assessment, and community program development. Graduate studies in kinesiology offer students access to a range of fields including physiotherapy, occupational therapy, sport psychology, exercise physiology, and biomechanics.”

Dany MacDonald

Assistant Professor,
Department of Applied Human Sciences

TOP-NOTCH FACILITIES

The faculty of science encompasses advanced teaching and research facilities—from the completely renewed Duffy Science Centre (biology and physics) to the state-of-the-art K. C. Irving Chemistry Centre, and the new building opening in the winter of 2012 that will house our department of applied human sciences. With open-concept research laboratories and improved classrooms and teaching laboratories, our facilities provide students with modern learning environments. In addition, the campus is home to the Regis and Joan Duffy Research Centre, a collaborative facility that houses research teams from UPEI, the National Research Council of Canada, and Agriculture and Agri-food Canada.

PROGRAMS IN THE FACULTY OF SCIENCE

Please refer to upei.ca/registrar for program details.

FACULTY OF SCIENCE	STREAMING OPTIONS						
	HONOURS DEGREE	MAJOR	MINOR	CO-OP	CERTIFICATE	DIPLOMA	MASTER'S PHD
Bachelor of Science	■						
Biology		■	■	■			
Chemistry		■	■	■			
Computer Science & Information Technology		■	■	■	■		
Video Game Programming					■		
Engineering						■	
Environmental Studies*				■			
Family Science			■	■			
Foods & Nutrition		■	■	■			
NEW Kinesiology			■				
Mathematics & Statistics		■	■	■			
Physics		■	■	■	■		
Pre-Veterinarian Medicine Stream**					■		
Psychology*		■	■				
Bachelor of Child & Family Studies	■						
Bachelor of Applied Science, Radiography	■						
Bachelor of Wildlife Conservation	■						
Master of Science – Faculty of Science							■
Doctor of Philosophy							■
NEW Molecular and Macromolecular Sciences							■
NEW Environmental Sciences							■

*Trans-disciplinary program; see also faculty of arts
**Course selection designed to meet academic entry requirements to the veterinary medicine program

LET SCIENCE CO-OP WORK FOR YOU!

Would you like to get some employment experience working in a field related to physics or computer science while earning money to help fund your education? Then UPEI's science co-operative education program could be for you!

Four-month work terms allow you to apply theoretical knowledge while gaining practical skills. As a co-op student, you will gain valuable work experience, build your résumé, raise your employability level, acquire practical job-related skills, increase your self-confidence and independence, make valuable professional contacts with potential employers, learn communication skills within a professional environment, and earn a well-paid salary during co-op work terms to help finance your education. Science co-op provides an incredible opportunity to build your professional and personal competencies and gain clarity in your field of study. Upon graduation, 90 per cent of co-op students secure immediate employment, "fast-tracking" into positions locally, nationally, or internationally.

INTERNSHIP OPPORTUNITIES IN APPLIED HUMAN SCIENCES

As part of the family science and child and family studies programs, you can apply and integrate your knowledge and skills through community-based learning opportunities in third and fourth year. In the innovative and progressive integrated dietetic internship program, you have the opportunity to complete both the BSc in foods and nutrition and the dietetic internship in just four years.

The faculty of science offers students diverse opportunities to work alongside their professors doing research with real-world applications. In addition, collaborations with industry professionals ensure the work students are doing is current and relevant.



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The culture of collaboration and collegiality at UPEI allowed me to gain many separate perspectives about science and research, which contributed greatly to my success as a graduate student in the faculty of science. In addition to working with faculty from the main campus and the Atlantic Veterinary College, I have been able to share and discuss ideas with a close-knit group of graduate student researchers, resulting in an immensely positive experience over the past three years.

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Bob Deziel

*(MSc 2011) is a Governor General's Medal winner.
He is pursuing his PhD at UPEI*



SCIENCE — A GATEWAY TO AN EXCITING CAREER

The possibilities are endless. Here's a short—very short—sample of career options.

- Astronomer
- Biochemist
- Business development officer
- Cancer researcher
- Computer scientist
- Dentist
- Dietitian
- Environmental chemist
- Evolutionary biologist
- Forensic scientist
- Geneticist
- Gerontologist
- Immunologist
- Journalist
- Marine ecologist
- Meteorologist
- Materials scientist
- Nanotechnologist
- Nutritionist
- Paleobotanist
- Pharmacologist
- Professional engineer
- Psychologist
- Radiographer
- Statistician
- Teacher
- Toxicologist
- Veterinary surgeon
- Virologist
- Wildlife biologist

CONTACT US

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people ▪ excellence ▪ impact



“

I invite you to get to know the faculty of science at UPEI. Come visit our campus, check out our website, or call us and take the first steps to discover an education in science.

”

Christian Lacroix

Dean, Faculty of Science