Biomedical Physiology and Kinesiology
Biomedical Physiology and Kinesiology
This department links the study of physiology, anatomy and movement with the broad scope of human endeavor throughout the life cycle; in health and disease, in benign and extreme environments. Faculty are comprised of biochemists, biologists, biomechanists, biophysicists, engineers, ergonomists, kinesiologists, neuroscientists and physicians. There are five major research groups in this department: Cardiovascular Physiology, Chronic Disease, Environmental Physiology, Neuromechanics, and Neuroscience.

Program Options
Students may choose from three separate majors that lead to a Bachelor of Science degree. All provide a background in physiology and anatomy. Biomedical Physiology provides a strong foundation in biochemistry, molecular biology, molecular and cellular cardiology and electrophysiology. Kinesiology leads to an extensive understanding of human structure and function and their relation to health and movement. Major or Honours students in Kinesiology may also choose a concentration in Active Health and Rehabilitation. Behavioral Neuroscience is a joint program with Psychology and offers a unique combination of behavioral and physiological science.

Sample Careers
These degree programs can help to prepare students for professional schools such as medicine, dentistry, and physical or occupational therapy. Other careers, some of which may require further education or training, are:

Biomedical Physiology
- Medical Laboratory Technician
- Pharmaceutical Sales Rep
- Cardiology/Electroneurophysiology Technologist

Kinesiology
- Kinesiologist/Exercise Physiologist
- Nutrition & Fitness Specialist
- Return to work Coordinator
- Worksite Wellness Coordinator
- Ergonomist

Behavioral Neuroscience
- Autism Interventionist
- Behavior Therapist
- Clinical/Developmental/Educational Psychologist
- Psychologist
- Neuropsychologist

Co-op Education
Students with 30 credits may apply to BPK's co-op program, which provides opportunities for students to explore careers and enrich their educational experience via three to four paid, full-time work semesters related to their academic field. Students may work locally, nationally and internationally. Past placements for BPK students have included: CBI Health, Fraser Health Authority, Kintec, OT Consulting/Treatment Services and The Right Shoe.

Essential websites
sfu.ca/admission
sfu.ca/bpk
sfu.ca/coop

“...I've found the academic advisors to be the most helpful, the classes to be the smallest, and the tutorials to be the most intimate at SFU.”

Melissa, BPK undergrad

> sfu.ca/science <