



# HEALTH AND PRE-PROFESSIONAL

Health care is currently Canada's second-largest service industry and one of the world's fastest-growing employment sectors. It consumes more than 10 percent of gross domestic product (GDP) of most developed nations, supplying ample economic and employment opportunities.

In addition to traditional, health-related roles (e.g., physician, nurse, dentist, pharmacist), a wealth of new health-care careers are opening up as a result of recent scientific, medical and technological advances. Meanwhile, there is an increasing demand for public health professionals who can tackle such complex issues as bioterrorism, obesity, emerging infectious diseases, global warming, health care costs and family violence.

The University of Windsor offers several diverse, educational routes to help students on their chosen paths to broadly defined health professions. Direct-entry, health-related programs include Nursing and Kinesiology. The university also offers a range of programs that

provide excellent preparation for careers in such fields as medicine, dentistry, optometry, occupational therapy, physical therapy, and chiropractic. Our academic advisors are available to assist you with course choices that provide you with the prerequisites for both graduate and professional programs offered at UWindsor and elsewhere.

## PROGRAM CHOICES

The range of UWindsor programs leading to health-care careers is extensive and includes courses in biology, biochemistry, nursing, human kinetics, arts and science, environmental science, engineering, forensic science and medical physics, just to name a few.

Whether you are seeking entry into a specific health program offered at UWindsor or are simply hoping to acquire the prerequisites to apply for other programs after graduation, a UWindsor education will give you a foundation for success.



**University  
of Windsor**

## SCIENCES

Students in core science courses at UWindsor have the opportunity to gain practical, hands-on laboratory and field experience beginning in first year. Many science programs including Biology, Biochemistry and Chemistry can serve as a strong, undergraduate foundation for students interested in health-related professional programs. The Biology and Biochemistry Health and Biomedical Sciences stream provides a clear pathway to medicine, pharmacy or graduate research in a health-related science.

With the breadth of courses offered, opportunities for laboratory/research experience, and approachable professors, learning at UWindsor is a rewarding and stimulating experience. Our degrees provide the flexibility to design your own interdisciplinary programs or to specialize in such areas as health and biomedical sciences, biochemistry, biotechnology, neuroscience, and more.

The Medical Physics program at UWindsor is carefully crafted to retain all of the physics and mathematics contained in a traditional physics degree while, at the same time, introducing new content in biology, biochemistry and senior-level courses in specialized areas of medical physics. You will have the unique opportunity to gain clinical and research experience in our university labs and local hospitals. Medical Physics opens the way to exciting and rewarding career opportunities involving the application of physics to the treatment of diseases and other biological studies. If you like physics and mathematics, but want a career in the rapidly expanding health professions, our Medical Physics program is for you.

## INTERDISCIPLINARY ARTS AND SCIENCE

Our Interdisciplinary Arts and Science program offers highly motivated students a comprehensive, challenging education in the arts and social and natural sciences. Combine your own programs of interest to match your career aspirations. The Faculty of Arts, Humanities and Social Sciences offers programs in the social sciences, social work, the fine arts and a robust selection of humanities, while the Faculty of Science provides laboratory experience, research opportunities and undergraduate thesis possibilities leading to careers in health care and other fields.

## KINESIOLOGY – MOVEMENT SCIENCE

The Movement Science major provides an exceptional educational experience in a variety of areas including human anatomy, exercise physiology, biomechanics and ergonomics, motor learning and lifespan development, sport psychology, and health and wellness. Core- and major-level courses provide both a solid theoretical background and significant, practical laboratory experiences. We offer world-class facilities for both teaching and research.

Our program is accredited by the Canadian Council of University Physical Education and Kinesiology Administrators. Our graduates enjoy success in such professional careers as medicine, physiotherapy, occupational therapy, chiropractic, massage therapy, athletic therapy and pharmacy. Kinesiology provides a student-centered, learning-centered environment and outstanding support in an exciting, multi-disciplinary field of study.

## NURSING

The Faculty of Nursing at UWindsor combines valuable, hands-on learning experience with academic theory to ensure a well-rounded and quality education. You will learn real-world application techniques through clinical experience in hospitals, community settings and state-of-the-art simulation labs using high-fidelity mannequins. Our facility recently underwent a \$4.2-million expansion to maximize student learning.

## STUDENT SUPPORT

You can receive guidance in studying, study groups (how to run them), course scheduling, time management, understanding and applying theory, navigating through Leddy Library journal articles, streamlining to plan your academic future (MA, PhD, law school, etc.), reference letters, personal statements, and locating proper on- and off-campus resources.

## FINANCIAL AID

For entrance and in-course award opportunities, please visit our Award Search at [my.uwindsor.ca](http://my.uwindsor.ca). Click on the Financial Matters heading and then Search for Awards in the sidebar.

In addition to entrance awards, the Outstanding Scholars Program attracts top high school students entering any first-year honours undergraduate program at the University of Windsor. Approximately 100 high-achieving, first-year students will be offered status as an Outstanding Scholars Candidate in Year 1 of their studies. The goal of this program is to challenge and stimulate students by providing them with the unique opportunity of holding an undergraduate academic appointment in their second year of studies and beyond where students will work closely with faculty on academic research projects.

For more information, please visit: [uwindsor.ca/outstandingscholars](http://uwindsor.ca/outstandingscholars)

### STUDENT RECRUITMENT OFFICE

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