If you like physics and mathematics, but want a career in the rapidly expanding health sciences, then this honours BSc is for you.

Medical Physics opens the way to exciting new possibilities for career opportunities in the applications of physics to the diagnosis and treatment of diseases, and other biological studies. An undergraduate degree in Medical Physics lays the foundation for an exciting and rewarding career in Medical Physics.

**Rigorous, Enriching Programs**

The honours Medical Physics stream fits naturally into our internationally renowned Physics Department. We collaborate closely with local healthcare institutions such as the Windsor Regional Cancer Center, the Henry Ford Hospital, and the University of Windsor Institute for Diagnostic Imaging Research. The program of study 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 and biochemistry. You will also take advanced courses in specialized areas of medical physics, including radiological physics, medical imaging, and radiobiology. Both thesis and co-op options are offered. It is a natural first step before entering a CAMPEP-accredited graduate program to become a professionally qualified Medical Physicist. (CAMPEP is the Commission on Accreditation of Medical Physics Educational Programs.)

**Experiential Learning**

Our undergraduates gain valuable research/work experience by getting involved in Physics research as early as their first year. Students have experiential learning opportunities through co-op placements in Windsor and all across Canada and the United States, the University’s Outstanding Scholars program, thesis courses for credit, summer placements and volunteer activities. Our students work with experts in such diverse fields as Biophysics and Medical Physics; Acoustic Microscopy and Materials Characterization; Nanoscale Electronics; Quantum Control and Quantum Computing; and Atomic, Molecular and Optical Physics.
**What You Will Take First Year**

Your first year in medical physics will offer you a wide variety of courses for maximum degree flexibility:

- Introductory Physics I and II and Theoretical Methods
- General Chemistry I and II
- Linear Algebra I, Differential Calculus, and Integral Calculus
- Cell Biology
- Option 1 (such as Biological Diversity or Introduction to Algorithms and Programming I)

**Admission Requirements**

75%+70% second Science/Math average. ENG4U, MHF4U, SPH4U required. MCV4U is strongly recommended. SCH4U is recommended.

**Career Tracks**

- Industrial and academic R&D
- Government and clinical laboratories
- Graduate studies [MSc or PhD] in physics/astronomy
- Professional schools such as medicine, dentistry, pharmacy, and medical physics [MSc or PhD]
- Computer programming/software development
- Law, financial services
- Entrepreneur, business
- Education with additional studies

Career opportunities are available immediately upon graduation. However, students may wish to acquire full professional certification as a Medical Physicist by completing a CAMPEP accredited Masters program available at several universities across Canada. The final step in the qualification process is the completion of a CAMPEP accredited residency in order to be eligible for Board certification with either the Canadian College of Medical Physicists (CCPM) or the American Board of Radiology (ABR).

**Student Support**

Our close-knit, collegial student body organizes and leads our Physics Club, where students get together to promote interest in physics, help each other through their studies and socialize outside of the classroom setting. Our Science Resource Center provides free tutoring for first year courses.

**Financial Aid**

In addition to the University’s entrance awards, incoming students may compete for a Physics Department Entrance Scholarship as well as a prestigious Nicolas Copernicus Scholarship in Physics.

Some students may qualify for the Outstanding Scholars Program, which matches excellent students with top research professors. In their first year, candidates receive $750 per semester. Outstanding Scholar Candidates meet regularly and are mentored throughout first year. To qualify to compete for entrance into the Outstanding Scholars program, candidates must achieve a minimum of 85% at the end of first year. Students who enter the Outstanding Scholars program in second year will work closely with faculty on academic research projects. They will also receive an honorarium of $1,500 per semester.

Apply for more awards using our Awards Search at www.uwindsor.ca/myuwindsor.

**Choose UWindsor**

At the University of Windsor, we offer 140 high-quality programs in an international setting.

Equally important, you can experience a broad range of opportunities outside the classroom:

- Explore exchange opportunities with dozens of universities around the world.
- Enhance your work experience through co-op programs, internships and paid, research assistantships.
- Student-led organizations play a vital role on campus and in the broader community.
- The diversity of our students—where they are from, what they believe and how they think—will expand your mind.

Our beautiful, compact campus is uniquely located on the boundary between Canada and the U.S.

At UWindsor, get the excellent education and exceptional student experience you want without feeling like a number. You won’t get lost in the crowd here!