WISc
Integrated Science

www.uwo.ca/sci/WISc
What is WISc?

WISc is a four-year honors program that combines the focused coursework of a traditional honors degree with a set of Integrated Science courses that explore the interdisciplinary nature of scientific discovery.

How is WISc different?

The small-class environment and collaborative structure of WISc will refine your critical-thinking, problem-solving, teamwork, and leadership skills, while also providing the necessary discipline-specific knowledge and skills to excel in today’s competitive and ever-changing employment marketplace.

As a graduate of WISc, you will be prepared to tackle cutting-edge problems that span the traditional science disciplines. Whether your goal is to pursue a graduate degree, industrial research, or a professional program such as medicine or law, the thorough scientific background and unique skill set provided by WISc will help you achieve it.

How do I get in?

Admission to WISc is competitive and is limited to only 60 students each year. Applying to the program is a two-step process and requires a supplemental application. Please visit our website for full details.
What are my options?

To ensure that students graduating from WISc have sufficient discipline-specific knowledge, students will be required to choose, prior to starting year-2, one of the following areas of specialization:

- Biology
- Chemistry
- Computer Science
- Earth Sciences
- Environmental Science
- Genetics
- Mathematics
- Physics (including Medical Physics and Astrophysics)

What are the year-1 WISc courses?

**IS 1000Z: Evolution of the Scientific Process**
An analysis of classic experiments, seminal discoveries, and how the scientific process has changed over time.

**IS 1001X: Exploring the Landscape of Science**
This flagship course replaces the set of Science courses normally taken in second semester but still covers the same learning outcomes by answering four interdisciplinary questions:

- How did the earth evolve?
- How do we harness energy?
- What is life?
- How does my smartphone work?
What’s after year-1?

WISc students will take, in their subsequent years, the courses required for their area of specialization and the following WISc courses:

- Sustainability and the Environment
- Big Data and Mathematical Modelling
- Philosophy (several options exist)
- Materials and Biomaterials
- Science and the Community
- Project Management
- Peer Mentoring and Leadership
- Integrated Research Project

Selected courses will be instructed by Canada Research Chairs, who are renowned experts in their field.

Questions?

Please do not hesitate to contact us at wisc@uwo.ca if you have any questions about the program or the application process.

Additional details can also be found at www.uwo.ca/sci/WISc.