

■ Indigenous Environmental Studies & Sciences

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Program Coordinators

Director of the Chanie Wenjack School for Indigenous Studies

D. Newhouse, (Onondaga), BSc, MBA (Western)

Director of the Trent School of the Environment

S. Watmough, BSc (Liverpool Polytechnic), PhD (Liverpool John Moores)

Director of the Program

D. Longboat, Roronhiakewen (Haudenosaunee), BA (Trent), MES, PhD (York)

Professors

See faculty listings in Environment and Indigenous Studies

Indigenous Environmental Studies & Sciences at Trent University is an innovative and multidisciplinary program offered jointly by the School of the Environment and the Chanie Wenjack School for Indigenous Studies. It brings together principles of both Indigenous knowledge and Western science. Instruction integrating these approaches will provide students with the necessary knowledge and skills, including both critical and integrative thinking abilities, to begin to address the complex environmental problems facing Indigenous communities, governments, business, industry, research, and society in general. The foundation upon which the program is based recognizes both the strengths and limitations of any single perspective, and seeks to develop interactive and integrative thinking to address environmental, health, and social issues. Learning and problem-solving are focused on benefiting both Indigenous and non-Indigenous communities.

Notes

- Students who have earned the Diploma in the Indigenous Environmental Studies & Sciences Program may apply for admission to the BA or BSc degrees. Credits earned in the Diploma program are transferable to the BA and BSc degrees.
- Indigenous students seeking admission to this or other University programs should contact the Aboriginal enrolment advisor in the First Peoples House of Learning to inquire about getting special assistance with the admission process.
- There is no option to pursue a joint-major in Indigenous Environmental Studies & Sciences and Indigenous Studies or a joint-major in Indigenous Environmental Studies & Sciences and Environmental & Resource Science/Studies.

Bachelor of Arts Program in Indigenous Environmental Studies

- In addition to the program requirements listed below, students must satisfy the University degree requirements (see p. 14).
- IESS 3634H, IESS 4630H, INDG 4050H, and an Indigenous language course are recommended for the degree.

The single-major Honours program. 20.0 credits including the following 10.5 credits:

- 5.5 IESS credits consisting of IESS 1001H, 2601Y, 3631H, 3632H, 3730Y, 4730Y, and 4740Y
- 1.0 ERSC credit consisting of ERSC 1010H and 1020H
- 2.0 INDG credits consisting of INDG 1001H and 1002H (or 1000Y) and 3813Y
- 0.5 credit from BIOL-ERSC 2260H, ERSC 2240H, or ERSC-BIOL 2701H
- 1.0 ERST and/or ERSC credit at the 3000 level or beyond in addition to the above
- 0.5 ERST, ERSC, or INDG credit in addition to the above

The joint-major Honours program. 20.0 credits including the following 7.0 credits:

- 1.5 IESS credits consisting of IESS 1001H and 2601Y
- 1.0 IESS credit from IESS 3631H and 3632H or 3730Y
- 1.0 IESS credit from IESS 4730Y or 4740Y
- 1.0 ERSC credit consisting of ERSC 1010H and 1020H
- 1.0 INDG credit consisting of INDG 1001H and 1002H (or 1000Y)
- 0.5 BIOL or ERSC credit from BIOL-ERSC 2260H, ERSC 2240H, or ERSC-BIOL 2701H
- 1.0 ERST, ERSC, or INDG credit at the 3000 level or beyond in addition to the above

The single-major General program. 15.0 credits including the following 7.5 credits:

- 1.5 IESS credits consisting of IESS 1001H and 2601Y
- 1.0 IESS credit from IESS 3631H and 3632H or 3730Y
- 1.0 IESS credit from IESS 4730Y or 4740Y
- 1.0 ERSC credit consisting of ERSC 1010H and 1020H
- 1.0 INDG credit consisting of INDG 1001H and 1002H (or 1000Y)
- 0.5 BIOL or ERSC credit from BIOL-ERSC 2260H, ERSC 2240H, or ERSC-BIOL 2701H
- 1.0 ERST, ERSC, or INDG credit at the 3000 level or beyond in addition to the above
- 0.5 ERST, ERSC, or INDG credit in addition to the above

The joint-major General program. 15.0 credits including the following 6.0 credits:

- 1.5 IESS credits consisting of IESS 1001H and 2601Y
- 1.0 IESS credit from IESS 3631H and 3632H or 3730Y
- 1.0 ERSC credit consisting of ERSC 1010H and 1020H
- 1.0 INDG credit consisting of INDG 1001H and 1002H (or 1000Y)
- 0.5 BIOL or ERSC credit from BIOL-ERSC 2260H, ERSC 2240H, or ERSC-BIOL 2701H
- 1.0 ERST, ERSC, or INDG credit at the 3000 level or beyond in addition to the above

Bachelor of Science Program in Indigenous Environmental Science

- In addition to the program requirements listed below, students must satisfy the University degree requirements (see p. 14).
- IESS 3634H, IESS 4630H, INDG 4050H, and an Indigenous language course are recommended for the degree.

The single-major Honours program. 20.0 credits including the following 10.5 credits:

- 5.5 IESS credits consisting of IESS 1001H, 2601Y, 3631H, 3632H, 3730Y, 4730Y, and 4740Y
- 1.0 ERSC credit consisting of ERSC 1010H and 1020H
- 1.0 INDG credit consisting of INDG 1001H and 1002H (or 1000Y)
- 2.0 credits from ERSC 2220H, ERSC 2230H, ERSC 2240H, BIOL-ERSC 2260H, or GEOG-BIOL-ERSC 2080H
- 1.0 ERSC credit at the 3000 level or beyond in addition to the above
- 14.0 science credits are required for the Honours degree, including 1.0 MATH credit

The joint-major Honours program. 20.0 credits including the following 7.5 credits:

- 4.5 IESS credits consisting of IESS 1001H, 2601Y, 3631H, 3632H, 3730Y, and 4740Y
- 1.0 ERSC credit consisting of ERSC 1010H and 1020H
- 1.0 INDG credit consisting of INDG 1001H and 1002H (or 1000Y)
- 1.0 credit from ERSC 2220H, ERSC 2230H, ERSC 2240H, or BIOL-ERSC 2260H
- 14.0 science credits are required for the Honours degree, including 1.0 MATH credit

The single-major General program. 15.0 credits including the following 7.5 credits:

- 4.5 IESS credits consisting of IESS 1001H, 2601Y, 3631H, 3632H, 3730Y, and 4740Y
- 1.0 ERSC credit consisting of ERSC 1010H and 1020H
- 1.0 INDG credit consisting of INDG 1001H and 1002H (or 1000Y)
- 1.0 credit from ERSC 2220H, ERSC 2230H, ERSC 2240H, BIOL-ERSC 2260H, or GEOG-BIOL-ERSC 2080H
- 11.0 science credits are required for the General degree, including 1.0 MATH credit

The joint-major General program. 15.0 credits including the following 6.0 credits:

- 3.5 IESS credits consisting of IESS 1001H, 2601Y, 3631H, 3632H, and 3730Y
- 1.0 ERSC credit consisting of ERSC 1010H and 1020H
- 1.0 INDG credit consisting of INDG 1001H and 1002H (or 1000Y)
- 0.5 credit from BIOL 1020H, BIOL-ERSC 2260H, GEOG 1040H, ANTH 1010H, ERSC 2220H, ERSC 2230H, or ERSC 2240H
- 11.0 science credits are required for the General degree, including 1.0 MATH credit

Students who have fulfilled the requirements for a single-major or joint-major BA or BSc Honours degree in another subject may apply for a minor in Indigenous Environmental Studies & Sciences if they have successfully completed the courses listed below.

The minor in Indigenous Environmental Studies & Sciences consists of the following 6.0 credits:

- 3.5 IESS credits consisting of IESS 1001H, 2601Y, 3631H, 3632H, and 3730Y
- 1.0 ERSC credit consisting of ERSC 1010H and 1020H
- 1.5 INDG credits consisting of INDG 1001H and 1002H (or 1000Y) and 4050H

Diploma in Indigenous Environmental Studies & Sciences

The program also offers a Diploma, which is intended for students of Indigenous ancestry who may be interested in specific educational opportunities or a pathway to a university degree.

- The Diploma is a two-year program open to students who have the equivalent of Ontario Grade 12 or qualify as mature students.
- The Diploma will be awarded upon successful completion of the program. A Trent University transcript will identify all courses undertaken and grades received.
- Students who have earned the Diploma may apply for admission to the BA or BSc program. Credits earned in the Diploma program are transferable to the General or Honours BA and BSc degrees.
- Indigenous students seeking admission to this or other University programs should contact the Aboriginal enrolment advisor in the First Peoples House of Learning to inquire about special assistance with the admission process.

Courses

- INDG 1011H and 1012H provide the academic skills, attitudes, strategies, and mutual support systems that students need to be successful in a university environment.

The following 7.5 credits are required to complete the program:

- 2.0 IESS credits consisting of IESS 1001H, 2601Y, and 3631H
- 3.0 INDG credits consisting of INDG 1001H and 1002H (or 1000Y), 1011H and 1012H (or 1010Y), 1500H, and 1510H
- 1.0 ERSC credit consisting of ERSC 1010H and 1020H
- 0.5 credit from BIOL-ERSC 2260H or ERSC 2240H
- 1.0 credit from ERST-CAST 2520H, ERST-CAST 2525H, CAST-ERST-GEOG-INDG 2040Y or 2041H or 2042H

Please consult the academic timetable for information on courses that will be offered in 2019–2020, including when they will be scheduled.

- » **IESS 1001H: Foundations in Indigenous Environmental Studies and Science (ICR)**
Introduces students to the foundational approaches, philosophies, values and methods used in Indigenous Environmental Studies. Teaching methods include lectures, written resource materials, classroom discussions, and experiential learning.
- » **IESS-ERSC-INDG 2150H: Environmental Assessment Techniques for Indigenous Communities (Sc) (see Environmental & Resource Science/Studies)**
- » **IESS-INDG-ERST 2601Y: Indigenous Knowledge Systems and the Natural Environment (ICR) (see Indigenous Studies)**
- » **IESS-ERST-INDG 3631H: Issues in Indigenous Environmental Studies (see Indigenous Studies)**
- » **IESS-ERST-INDG 3632H: Global Issues in Indigenous Environmental Studies (see Indigenous Studies)**
- » **IESS-ERST-INDG-SAFS 3634H: Introduction to Indigenous Food Systems (see Indigenous Studies)**
- » **IESS-ERSC/ERST-INDG 3730Y: Indigenous Peoples' Health and the Environment (see Environmental & Resource Science/Studies)**
- » **IESS-INDG-ERST 4630H: Indigenous Environmental Research Protocols and Ethics (see Indigenous Studies)**
- » **IESS-INDG-ERST 4730Y: Sustainable Indigenous Communities (see Indigenous Studies)**
- » **IESS-INDG-ERST/ERSC-NURS 4740Y: Critical Investigations in Indigenous Peoples' Health and the Environments (see Indigenous Studies)**