

# TEACHING AND LEARNING (NON-THESIS) (M.A.): SCIENCE AND TECHNOLOGY OPTION (60 CREDITS)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 60

## Program Description

The Master of Arts in Teaching and Learning; Non-Thesis - Science and Technology is a graduate-level teacher education program. The program includes a minimum of 700 hours of school-based internships at the secondary level and offers two streams: an Independent Research Stream and a Course-Based Stream. The program's core academic components emphasize a comprehensive understanding of educational foundations, principles, theories, and practices and include a specific emphasis on science and technology content and pedagogies. Upon successful completion of the program, graduates are recommended to the Québec Ministry of Education for teacher certification at the secondary school level.

**Note:** For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

## Required Courses (51 credits)

Expand allContract all

Course	Title	Credits
EDEC 550	Indigenizing Pedagogy and Curriculum.	3
EDEC 612	Digital Media and Learning.	3
EDIN 610	Internship 1.	7
EDIN 620	Internship 2.	8
EDPS 600	Introductory Professional Seminar.	3
EDPS 610	Professional Seminar 1.	2
EDPS 620	Professional Seminar 2.	1
EDTL 515	English Exam for Teacher Certification.	0
EDTL 520	Perspectives on Knowledge in Mathematics and Science.	3
EDTL 525	Teaching Science and Technology.	3
EDTL 601	Student Engagement and Learning Environments.	3
EDTL 604	Techniques for Planning and Assessment.	3
EDTL 607	Language and Policy in Quebec Education.	3
EDTL 609	Neurodiversity and Learning.	3

EDTL 625	Applied Methods in Teaching Science in Secondary School.	3
EDTL 626	Advanced Applied Methods in Teaching Science in Sec. School.	3

## Complementary Courses (9 credits)

9 credits selected from one of the following two streams:

### Independent Research Stream

Expand allContract all

Course	Title	Credits
EDER 633	Project 1.	6

3 credits selected from:

Expand allContract all

Course	Title	Credits
EDEM 690	Research Methods: Theory and Practice.	3
EDTL 640	Teacher Inquiry and Action Research.	3

### Course-Based Stream

Expand allContract all

Course	Title	Credits
EDER 615	Introduction to Philosophy of Education.	3
EDTL 506	Philosophy of Education.	3

6 credits to be chosen from among 500-level or 600-level department course offerings to be determined by the student's area of study. Courses in other departments may be taken upon approval by the department graduate coordinator or director.