



Waterford Institute *of* Technology

INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE

CALMAST[®]

POSTGRADUATE

MSc in Science Education (Primary Science)

LEVEL 9

Department of Adult and Continuing Education



The MSc in Science Education (Primary Science) is a flexible modular part-time programme which has been developed to meet the needs of teaching professionals at primary level in science education. This programme has been developed in conjunction with scientists, educationalists and practising teachers working at primary level in science education.

www.wit.ie

*CALMAST - The Centre for the Advancement of Learning of Maths, Science and Technology is the first of its kind in Ireland. It supports, promotes and researches the learning of Maths, Science and Technology.

MSc in Science Education (Primary Science)

Programme Aims

The overall aim of the course is to produce graduates with specialist knowledge in Primary Science Education. The course will also provide the graduates with a set of personal and professional attributes that will allow them greater flexibility in the development of their own career options over the span of their career. On successful completion of the course, students will:

- Have an advanced knowledge of the four strands in the current primary curriculum
- Have the confidence and self-efficacy when integrating these strands within their lesson plans
- Be experienced and confident in using best practice learning strategies for the teaching of science within the primary curriculum
- Have advanced knowledge of the interrelationships between science and the social, cultural, political and economic structures in society
- Be able to lead, develop and evaluate their schools science programmes
- Have the ability to contribute to the development of future curriculum development within Irish Primary Education
- Have knowledge of and the tools to evaluate critically best practice methods in Primary Science Education.

Unique Aspects of the Programme

The philosophy that underpins this course is to provide a challenging and intellectually stimulating programme of further study to suitably qualified primary teachers, to enable them to specialise in the area of Primary Science Education. This is achieved by providing an environment which supports reflective learning and promoting research informed teaching and learning.

Career Opportunities

Graduates could expect their careers to be enhanced. On completion of this programme, the graduate is expected to be able to contribute to the development of a school plan for the provision of science within their school and critically appraise best practice with respect to science education. Thus the graduate would be enabled to participate in future curricula developments within primary science.

Programme Subjects

Mandatory Modules (40 credits)	Elective Modules (choose 50 credits, can only elect one 20 credit module)
Academic Enquiry (10 credits)	Digital Technology and Science Education (10 credits)
Pedagogy of Learning and Teaching Science (10 credits)	Teaching the Materials Strand (10 credits)
Research Methods in Education (10 credits)	Teaching the Energy and Forces Strand (10 credits)
Scientific Thoughts Processes and Awareness (10 credits)	Teaching the Environment Awareness and Care Strand (10 credits)
	Teaching the Living things Strand (10 credits)
	Dissertation* (20 credits)
	Educational Product* (20 credits)
	Writing for Publication*(20 credits)

Please note: *Research Methods in Education is a prerequisite for the Dissertation, Educational Product and Writing for Publication modules.

Entry Details

A recognised post primary teaching qualification plus two years post-qualification experience.

Fees

For information on fees please visit our web page at www.wit.ie/pg

How do I apply?

Apply online at www.wit.ie

Contacts

Course Leader
Dr. Eleanor Owens
Email. eowens@wit.ie
Tel. +353 (0) 51 302733

Postgraduate Administrator,
School of Education and Professional Development,
WIT, College Street Campus,
Waterford
Email. pgace@wit.ie
Tel. +353 (0) 51 302225