

Masters in Mathematics

Information / Q&A Session

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NUI Galway
OÉ Gaillimh

What is the Masters in Mathematics programme?

Mission

The Masters in Mathematics is a **dynamic** and **research-led** one-year programme which covers advanced mathematical topics and includes a substantial **project**.

Background

Students should hold a bachelor's degree, involving a significant **mathematical component**.

Careers

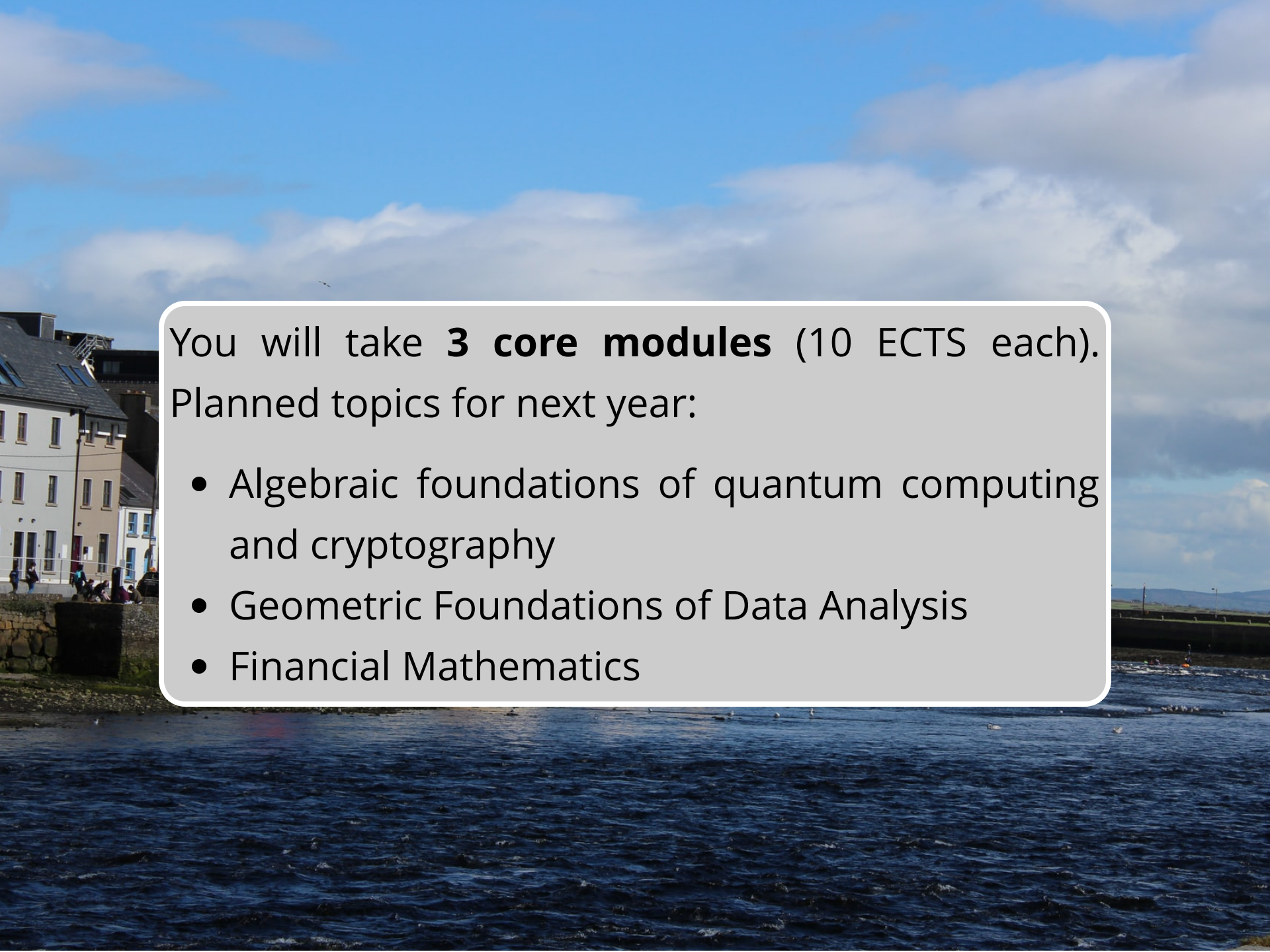
Academia, business, finance, IT, ...

How does the programme look like?

You will select **6 modules** (5 ECTS each) from a range of advanced modules.

Possible areas:

- Mathematics
- Financial Mathematics
- Applied Mathematics
- Computing
- Statistics
- Economics

The background of the slide is a photograph of a coastal town. On the left, there are several multi-story buildings with light-colored facades and dark roofs. Some people are visible walking along a stone wall in front of the buildings. To the right, the sea is visible with dark, choppy water and a few birds flying in the sky. The sky is blue with scattered white clouds.

You will take **3 core modules** (10 ECTS each).
Planned topics for next year:

- Algebraic foundations of quantum computing and cryptography
- Geometric Foundations of Data Analysis
- Financial Mathematics

Project

- Throughout the year, you will be working on a substantial (30 ECTS) **project** under the supervision of an academic member of the School of Mathematics, Statistics and Applied Mathematics.
- Early on in the semester, potential supervisors will informally introduce you to their research areas.
- You will explore a mathematical topic of current interest in great depth and acquire **research, presentation, and reporting skills**.
- Project deadline: end of July 2021.

Mathematics at NUI Galway

Advantages:

- Excellent student/staff ratio.
- Friendly and supportive learning environment.
- Vibrant academic environment (seminars, conferences, de Brun centre in Mathematics, tutoring).
- Top 1% university (QS World University Rankings 2021)
- Close to the ocean. :)

Funding

First Class Honours Scholarships

- NUI Galway has scholarships valued at €1,500 for students applying for full-time taught postgraduate courses.
- Eligibility: first class honours (or equivalent) primary degree, accepted on full-time taught course at NUI Galway
- Open to non-NUI Galway students. EU students only.
- Deadline: **31 August**.
- Full eligibility criteria and further details:
https://www.nuigalway.ie/postgraduate_scholarships/

Teaching and learning during a crisis

The show must go on!

- Health comes first!
- All (or most) classical lectures will be delivered online.
- NUI Galway seeks to provide a substantial on-campus experience. If possible, tutorials, workshops, seminars, etc. will take place on campus.
- We'll provide those students who can't attend in person with the best remote experience that we can.
- We're currently developing more detailed plans within our discipline.

A scenic view of a coastal town, likely in Ireland, featuring a row of colorful buildings (blue, yellow, and red) along a stone wall overlooking the water. The sky is overcast and grey. A large, rounded rectangular overlay with a white border is centered over the image, containing the text "Your turn... Questions?".

**Your turn...
Questions?**