

An Chomhairle  
Mhúinteoireachta

The Teaching Council

## Covid-19 Amendment Regulation (CAR) Subject Declaration Form

# Mathematics

This Subject Declaration Form allows you to match your degree (and other qualifications if applicable) against the Teaching Council's curricular subject requirements. You must meet the requirements for at least one curricular subject in order to be eligible for registration as a Post-primary teacher, having also completed a programme of Post primary initial teacher education that meets the Council's requirements.

This declaration form should be completed, printed and signed by persons applying for registration as a Post-primary teacher under CAR and forwarded with the CAR-01 (COVID-19 Amendment Regulation) Application Form.

You should complete a subject declaration form for each subject for which you are seeking Teaching Council registration.

The requirements for the curricular subject **Mathematics** are set out on page 2.

For details of all other curricular subjects [click here](#).

**Any material errors or misleading declarations made on this form may result in refusal of registration.**

Based on this declaration form, your transcripts relating to the curricular subject sought and the transcripts of your initial teacher education qualification, the Teaching Council will confirm if, you will be eligible to register as a Post-primary teacher and which curricular subject(s) will be recorded on the Register of Teachers.

The information you provide on this form is a guide only and will be used to inform the Council's assessment process. The final decision on the suitability of content and credits allocated will be made by the Teaching Council. You will be registered for the curricular subject(s) for which you meet the requirements in full. If you do not meet the requirements in full for any subject you may be registered for the subject for which you are closest to meeting requirements (subject to conditions) as determined by the Council.

In order to meet the registration requirements set down in the Teaching Council [Registration] Regulations in respect of the curricular subject of Mathematics, an applicant must meet **all** of the following criteria:

## 1

- (a) Applicants must hold a degree-level qualification, with Mathematics studied up to and including third- year level or higher (or modular equivalent).
- (b) The qualifying degree must be equivalent to at least Level 8 on the National Framework of Qualifications (NFQ) and with a minimum pass<sup>1</sup> result in all examinations pertinent to the subject of Mathematics.
- (c) The qualifying degree must carry at least 180 ECTS (European Credit Transfer System) credits (or equivalent) with the specific study of Mathematics comprising at least 60 ECTS credits (or equivalent) and with not less than 10 ECTS credits (or equivalent) studied at third-year level or higher (or modular equivalent).

## 2

The study of Mathematics during the degree must show that the holder has acquired sufficient knowledge, skills and understanding to teach the Mathematics syllabus<sup>2</sup> to the highest level in post-primary education (see [www.curriculumonline.ie](http://www.curriculumonline.ie)). To meet this requirement the degree must include the study of all of the following essential areas to a minimum of 40 ECTS credits (or equivalent):

### Essential areas of study

- (a) Analysis<sup>3</sup>  
- minimum of 10 ECTS credits
- (b) Algebra<sup>4</sup>  
- minimum of 10 ECTS credits
- (c) Geometry<sup>5</sup>  
- minimum of 5 ECTS credits
- (d) Probability and Statistics<sup>6</sup>  
- minimum of 5 ECTS credits

### Optional areas of study

The remaining 20 ECTS credits (or equivalent) may be in any of the above essential areas, or be drawn from the following optional areas:

- (e) Dynamical Systems and Chaos
- (f) Calculus of Variations
- (g) Numerical Analysis or Computational Mathematics
- (h) Mathematical Modelling
- (i) Discrete Mathematics
- (j) History or Philosophy of Mathematics
- (k) Mathematical Logic
- (l) Set Theory and Cardinality

1 which includes pass by compensation.

2 as approved by the Minister for Education and Skills, and published by the National Council for Curriculum and Assessment (NCCA).

3 This must include modules in Differential and Integral Calculus in one and several variables, and may include modules in Differential Equations, Complex Analysis, Abstract Analysis, Measure and Integral, or Topology.

4 This must include modules in Linear Algebra, and may include modules on Abstract Algebra (Groups, Rings, and Fields), Cryptology, Coding Theory, or Number Theory.

5 This must include a module or modules in Euclidean and Non-Euclidean Geometry and may include modules in Differential Geometry, Algebraic Geometry, or Topology.

6 This must include modules in Probability and Statistical Inference and may include modules in Combinatorics or Stochastic Processes.

**3**

Applicants must also have completed a programme of post-primary initial teacher education (age range 12-18 years) The programme should include a module(s) on the teaching of Mathematics carrying a minimum of 5 ECTS credits (or equivalent).

Name:

Address:

Date of Birth:

DD/MM/YYYY

PPS Number:

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Phone No:

Mobile No:

Email:

Degree Title:

Degree Awarding Body:

Year of award:

Other Relevant Qualification(s) in Mathematics (if applicable):

Title of qualification	Awarding Body	Year of Award

Please answer questions 1-6 below and insert module code(s), module title(s) and ECTS credit values as required.		
<b>1</b>	Is your degree equivalent to a least a Level 8 on the Irish National Framework of Qualifications (NFQ)?	Yes No
<b>2</b>	Does your degree carry a minimum of 180 ECTS credits (or equivalent)?	Yes No
<b>3</b>	Do your studies in Mathematics carry a minimum of 60 ECTS credits (or equivalent)?	Yes No
<b>4</b>	Do your studies in Mathematics include the study of not less than 10 ECTS credits (or equivalent) at third-year level or higher (modular equivalent)?	Yes No
<b>5</b>	<p>Do your studies in Mathematics include the study of all of the following essential areas to a minimum of 40 ECTS credits (or equivalent):</p> <p><b>Essential areas of study</b></p> <p>(a) Analysis - minimum of 10 ECTS credits</p> <p>(b) Algebra - minimum of 10 ECTS credits</p> <p>(c) Geometry - minimum of 5 ECTS credits</p> <p>(d) Probability and Statistics - minimum of 5 ECTS credits</p> <p>The remaining 20 ECTS credits (or equivalent) may be in any of the above essential areas, or be drawn from the optional areas 6(e) - 6(l) below.</p>	<p>Yes No</p> <p>Yes No</p> <p>Yes No</p> <p>Yes No</p>
<b>6</b>	<p>Do your studies in Mathematics include study in any of the following optional areas:</p> <p><b>Optional areas of study</b></p> <p>(e) Dynamical Systems and Chaos</p> <p>(f) Calculus of Variations</p> <p>(g) Numerical Analysis or Computational Mathematics</p> <p>(h) Mathematical Modelling</p> <p>(i) Discrete Mathematics</p> <p>(j) History or Philosophy of Mathematics</p> <p>(k) Mathematical Logic</p> <p>(l) Set Theory and Cardinality</p>	<p>Yes No</p> <p>Yes No</p> <p>Yes No</p> <p>Yes No</p> <p>Yes No</p> <p>Yes No</p> <p>Yes No</p> <p>Yes No</p>

**In relation to questions 3, 4, 5 and 6 above, please list below the code(s), title(s) and ECTS credit values for each module studied.**

## Essential Areas of Study

*(a minimum of 40 ECTS credits is required for area 5(a) - 5(d))*

Area of Study:

**Analysis** *(a minimum of 10 ECTS credits is required)*

Module Code	Module Title	ECTS Credit Value

Area of Study:

**Algebra** *(a minimum of 10 ECTS credits is required)*

Module Code	Module Title	ECTS Credit Value

Area of Study:

**Geometry** *(a minimum of 5 ECTS credits is required)*

Module Code	Module Title	ECTS Credit Value

Area of Study: <b>Probability and Statistics</b> ( <i>a minimum of 5 ECTS credits is required</i> )		
<b>Module Code</b>	<b>Module Title</b>	<b>ECTS Credit Value</b>

## Optional Areas of Study

The remaining 20 ECTS credits (or equivalent) may be in any of the above essential areas, or be drawn from the following optional areas:

- (e) Dynamical Systems and Chaos
- (f) Calculus of Variations
- (g) Numerical Analysis or Computational Mathematics
- (h) Mathematical Modelling
- (i) Discrete Mathematics
- (j) History or Philosophy of Mathematics
- (k) Mathematical Logic
- (l) Set Theory and Cardinality

Area of Study: <b>Dynamical Systems and Chaos</b>		
Module Code	Module Title	ECTS Credit Value

Area of Study: <b>Calculus of Variations</b>		
Module Code	Module Title	ECTS Credit Value

Area of Study: <b>Numerical Analysis or Computational Mathematics</b>		
Module Code	Module Title	ECTS Credit Value



Area of Study: <b>Mathematical Modelling</b>		
Module Code	Module Title	ECTS Credit Value

Area of Study: <b>Discrete Mathematics</b>		
Module Code	Module Title	ECTS Credit Value

Area of Study: <b>History or Philosophy of Mathematics</b>		
Module Code	Module Title	ECTS Credit Value

Area of Study: <b>Mathematical Logic</b>		
Module Code	Module Title	ECTS Credit Value

Area of Study: <b>Set Theory and Cardinality</b>		
Module Code	Module Title	ECTS Credit Value

Area of Study: <b>Other</b>		
Module Code	Module Title	ECTS Credit Value

<b>Total ECTS Credits in Mathematics</b>	
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I declare that I have completed the studies in **Mathematics** as set out above and that the details that I have entered in the tables above are true and accurate to the best of my knowledge.

Name:

Date: DD/MM/YYYY

Signature:

**IMPORTANT**

This declaration form should be returned to the Teaching Council with the CAR Amendment Regulation Application Form (CAR-01).