

An Chomhairle  
Mhúinteoireachta

The Teaching Council

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

# Physics

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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 **Physics** 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 Physics, an applicant must meet **all** of the following criteria:

## 1

- (a) Applicants must hold a degree-level qualification, with Physics 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 Physics.
- (c) The qualifying degree must carry at least 180 ECTS (European Credit Transfer System) credits (or equivalent) with the specific study of Physics 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 Physics during the degree must show that the holder has acquired sufficient knowledge, skills and understanding to teach the Physics 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 at least eight of the following areas:

- (a) Classical Mechanics
- (b) Quantum Mechanics
- (c) Properties of Matter
- (d) Oscillations, Waves, Acoustics
- (e) Thermodynamics
- (f) Light
- (g) Electromagnetism, Electromagnetic Waves
- (h) Electronics
- (i) Condensed Matter
- (j) Relativity
- (k) Atomic, Nuclear and Particle Physics
- (l) Topic in Advanced or Applied Physics

## 3

Experimental/practical work must be completed throughout the degree course.

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).

## 4

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 a Science-based subject carrying a minimum of 5 ECTS credits (or equivalent).

### Science (Junior Cycle)

An applicant who meets the registration criteria for **Physics** will also be deemed to have acquired the competency to teach the Junior Cycle curricular subject **Science** if he/she has studied a minimum of 10 ECTS credits (or equivalent) in Chemistry **and** a minimum of 10 ECTS credits (or equivalent) in Biology.

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 Physics (if applicable):

Title of qualification	Awarding Body	Year of Award

Please answer questions 1-5 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 Physics carry a minimum of 60 ECTS credits (or equivalent)?	Yes No
<b>4</b>	Do your studies in Physics 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>	Do your studies in Physics include the study of at least eight (8) of the following topics	
	(a) Classical Mechanics	Yes No
	(b) Quantum Mechanics	Yes No
	(c) Properties of Matter	Yes No
	(d) Oscillations, Waves, Acoustics	Yes No
	(e) Thermodynamics	Yes No
	(f) Light	Yes No
	(g) Electromagnetism, Electromagnetic Waves	Yes No
	(h) Electronics	Yes No
	(i) Condensed Matter	Yes No
	(j) Relativity	Yes No
	(k) Atomic, Nuclear and Particle Physics	Yes No
	(l) Topic in Advanced or Applied Physics	Yes No

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

## Essential Areas of Study

Area of Study:

### Classical Mechanics

Module Code	Module Title	ECTS Credit Value

Area of Study:

### Quantum Mechanics

Module Code	Module Title	ECTS Credit Value

Area of Study:

### Properties of Matter

Module Code	Module Title	ECTS Credit Value

Area of Study: <b>Oscillations, Waves, Acoustics</b>		
Module Code	Module Title	ECTS Credit Value

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

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

Area of Study: <b>Electromagnetism, Electromagnetic Waves</b>		
Module Code	Module Title	ECTS Credit Value

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

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

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

Area of Study: <b>Atomic, Nuclear and Particle Physics</b>		
Module Code	Module Title	ECTS Credit Value



Area of Study: Topic in Advanced or Applied Physics		
Module Code	Module Title	ECTS Credit Value

Area of Study: Other		
Module Code	Module Title	ECTS Credit Value

<b>Total ECTS Credits in Physics</b>	
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## Science (Junior Cycle)

An applicant who meets the registration criteria for **Physics** will also be deemed to have acquired the competency to teach the **Junior Cycle** curricular subject **Science** if he/she has studied a minimum of 10 ECTS credits (or equivalent) in Chemistry and a minimum of 10 ECTS credits (or equivalent) in Biology.

[Click here](#) to view requirements for Chemistry and Biology.

If you have studied a minimum of 10 ECTS credits (or equivalent) in Chemistry and a minimum of 10 ECTS credits (or equivalent) in Biology please **list below the code(s), title(s) and ECTS credit values for each Business and Economics module studied.**

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

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

I declare that I have completed the studies in **Physics** 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).