



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

AREA
FORMAZIONE E DOTTORATO

PHD PROGRAMME TABLE

Call for applications for the admission to the PhD programmes (42nd cycle) - A.Y. 2026/2027
Second round

Section "Available Positions and Scholarships" integrated on 27/05/2026

PROGRAMME'S NAME	CHEMISTRY
DURATION	3 years
PROGRAMME START DATE	01/11/2026 (DD/MM/YYYY)
LANGUAGES	English
COORDINATOR	Prof. Cristina Puzzarini (cristina.puzzarini@unibo.it)
PHD POSITIONS	13
ADMISSION PROCEDURE	Qualifications evaluation Oral examination

Available Positions and Scholarships

Pos. n.	Financial Support	Description	Positions linked to a specific research topic
1	PhD Scholarship	Totally funded by the University of Bologna general budget	Molecular engineering of light-driven systems for solar energy conversion
2	PhD Scholarship	Totally funded by the University of Bologna general budget	Development of innovative tools in the field of Chemometrics applied to Analytical Chemistry
3	PhD Scholarship	Totally funded by the University of Bologna general budget	Development of new methodologies for pharmaceutical green chemistry
4	PhD Scholarship	Funded by the University of Bologna general budget and by the Dept. of Chemistry "G. Ciamician"	Development of sustainable synthetic processes: new organometallic, organocatalytic, and photocatalytic methodologies
5	PhD Scholarship	Funded by the Dept. of Chemistry "G. Ciamician"	Integrating peptide-protein interaction modeling and bioavailability prediction for rational design of bioactive peptides
6	PhD Scholarship	Funded by MUR in the framework of the "Dipartimenti di Eccellenza" initiative	Synthesis and development of reprocessable and self-healing thermosets from bio-based molecules for advanced applications
7	PhD Scholarship	Funded by the Dept. of Chemistry "G. Ciamician" with funds made available by the project EU SENSOPAD	Electrochemical biosensor for the endometriosis early diagnosis
8	PhD Scholarship	Funded by the Dept. of Chemistry "G. Ciamician"	Photocatalysis and artificial photosynthesis

9	PhD Scholarship	Totally funded by the University of Bologna general budget	Study of the chemical–physical degradation of materials and development of recovery processes for circular economy applications
10	PhD Scholarship	Funded by the Dept. of Industrial Chemistry "Toso Montanari" with funds made available by the project HORIZON-ERC-2023-ADG-Project nr. 101141690 - PHOTOTZYME "Enhancing the Potential of Enzymatic Catalysis with Light" – CUP J33C24000790006 – Prof. Paolo Melchiorre	Photoenzymatic strategies for stereocontrolled radical transformations
11	PhD Scholarship	Funded by the Dept. of Chemistry "G. Ciamician	Design and study of photocatalytic systems
12	PhD Scholarship	Funded by the Dept. of Chemistry "G. Ciamician	Supramolecular metal complexes as next-generation photoredox catalysts from earth-abundant metals
13	PhD Scholarship	Funded by The Institute for Organic Synthesis and Photoreactivity (ISOF) of the National Research Council of Italy (CNR)	Design and study of molecular and supramolecular systems for luminescence and the conversion of light energy into chemical or electrical energy

The yearly gross amount of the scholarships awarded for the PhD Programme in "Chemistry" is €18,341.04.

All winners of PhD positions must fulfil the study and research obligations decided by the Academic Board, as well as the obligations set out in the relevant regulations, in the call for applications, in the funding schemes and in any agreements relating to specific positions.

Admission Exams

	DATE AND TIME	RESULTS
Qualifications evaluation	Applicants' participation is not required	Available from 17/07/2026
Oral examination	Date: starting from 27/07/2026 – 10 a.m. CEST Place: In presence, UE1 Building, via della Beverara 123/1, Bologna. Remotely, using Microsoft Teams	Available from 31/07/2026

The results of the qualifications evaluation, as well as the oral examination detailed schedule, shall be available on the webpage [Studenti Online](#) (select "requests in progress" > "see detail" and open the .pdf file at the bottom of the page). No personal written communication will be sent to applicants concerning the examinations results.

During the oral examination, applicants will express their interest in one or more PhD positions linked to specific research topics.

Required and Supporting Documents to be attached to the application

Only documents in Italian or English will be considered valid and will be assessed by the Admission Board. Identity documents and diplomas/degree certificates issued in a language other than Italian or English must be accompanied by an official translation. The translation must be carried out by an authorized body or by the awarding university. Only qualifications obtained in the last 5 years will be taken into account, with the exception of university degrees. The Admission Board will assess the relevance of the supporting documents to the PhD programme.

REQUIRED DOCUMENTS	
Identity document	Valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae	The Curriculum Vitae must be drawn up according to the "EuroPass" standard.
Degrees	Documents attesting the awarding of the first and second cycle degrees, the exams taken and the marks obtained (see Art. 3 of the Call for Applications). Please, note that the correct completion of the fields relating to the qualifications on the application procedure on Studenti Online is required (declarations about "Degree - Second or single cycle degree" e "Degree –

	First cycle degree”). A 10 points penalty on the total qualification evaluation score shall be applied to applicants not filling correctly the said fields.
Thesis abstract	Abstract of the second cycle degree thesis . Graduands applicants may submit the draft of the thesis. Abstracts cannot exceed 3,000 characters, including spaces and formula possibly used. The above figure does not include: the title of the thesis, the outline, references, and images such as graphs, diagrams, tables etc.
SUPPORTING DOCUMENTS	
Personal statement	This must include the reasons prompting the applicant to attend the PhD Programme and those relevant experiences and research interests , that make the applicant suitable for the specific PhD Programme (3,000 characters maximum, including spaces).
Publications	- List of publications (i.e. monographs, articles on scientific journals) - max 2 – information required: author(s)’s name, title of article, name of the journal, year of publication, first page number-last page number, journal’s IF, article/publication’s DOI number - List of presentations at academic conferences - max 3 – the presentation will be evaluated only if the candidate is the presenting author. Required information: presentation type (oral or poster), national or international relevance of the conference. Abstract required.
Other documents	- Postgraduate vocational training programmes and/or specialisation programmes relevant to the PhD Programme - Teaching activities carried out at academic level - Specialisation thesis abstract (3000 characters max) - Research activity - whether basic, applied, translational, etc. - carried out in any capacity, including when covered by research grants, and as a staff member of research units - Work activity - Curricular and non-curricular professional internships - Periods of study abroad, outside the country of origin (e.g. Erasmus programme or other similar mobility programmes) - Other qualifications attesting the suitability of the applicants (scholarships, prizes, etc)

Evaluation criteria*

Scores will be expressed in points out of 100, as follows.

1. Qualifications evaluation

Minimum score for admission to the oral examination: 30 points, Maximum score: 50 points

First and Second cycle degree final mark. Graduands shall be evaluated according to the Weighted Average Mark (WAM)	20 points max
Publications	5 point max
Consistency of the thesis topics, as described in the abstract, with the research topics of the PhD programme	15 points max
Personal statement	5 points max
Other supporting documents	5 points max

2. Oral examination

Minimum score for eligibility: 30 points, Maximum score 50 points

English language proficiency	5 points max
General knowledge of the PhD programme’s main research topics and of the research topics linked to the available PhD positions	45 points max

Oral examination aims to assess the suitability of the applicant for scientific research as well as the general knowledge of the PhD programme’s main research topics and of the research topics linked to the available PhD positions. **During the oral examination, the applicant’s English proficiency shall be assessed.**

The oral examination is carried out in Italian or English.

* Possible further evaluation criteria will be available on the [University website](#), selecting the relevant PhD Programme > “More information”.