



PHD PROGRAMME TABLE 40TH CYCLE

Section "Available Positions and Scholarships" integrated on 27/05/2024

Section "Available Positions and Scholarships" integrated on 03/06/2024

PROGRAMME'S NAME	CHEMISTRY
DURATION	3 years
PROGRAMME START DATE	01/11/2024 (DD/MM/YYYY)
LANGUAGES	English
COORDINATOR	Prof. Luca Prodi (luca.prodi@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	<i>PhD scholarship</i>	Totally funded by the University of Bologna general budget	
2	<i>PhD scholarship</i>	Totally funded by the University of Bologna general budget	
3	<i>PhD scholarship</i>	Totally funded by the University of Bologna general budget	
4	<i>PhD scholarship</i>	Totally funded by the University of Bologna general budget	
5	<i>PhD scholarship</i>	Totally funded by the University of Bologna general budget	
6	<i>PhD scholarship</i>	Totally funded by the University of Bologna general budget	
7	<i>PhD scholarship</i>	Totally funded by the University of Bologna general budget	
8	<i>PhD scholarship</i>	Funded by the Department of Chemistry "G. Ciamician" under the Departments of Excellence initiative	Spectroscopy and data science: development and chemical applications
9	<i>PhD scholarship</i>	Funded by the Department of Chemistry "G. Ciamician" under the Departments of Excellence initiative	Analytical methodologies for the development and monitoring of hybrid thermochemical/biological processes aimed at the sustainable valorization of waste
10	<i>PhD scholarship</i>	Funded by the Department of Philosophy with funds made available by the project "Alchemy in the Making: From ancient Babylonia via Graeco-Roman Egypt into the Byzantine, Syriac and Arabic traditions (1500 BCE - 1000 AD) — AlchemEast"	Alchemy in the making: replication of ancient recipes to study proto-chemical theories and practices from the Graeco-Egyptian antiquity to the Middle Ages and Renaissance"

11	PhD scholarship	Funded by the Department of Industrial Chemistry with funds made available by the project HORIZON-ERC-2023-ADG-Project nr. 101141690 - PHOTOZYME “Enhancing the Potential of Enzymatic Catalysis with Light” – CUP J33C24000790006 – Prof. Paolo Melchiorre	Photoexcitation for New-to-Nature Enzymatic Radical Processes
12	PhD scholarship	Funded by the Department of Industrial Chemistry with funds made available by the project HORIZON-ERC-2023-ADG-Project nr. 101141690 - PHOTOZYME “Enhancing the Potential of Enzymatic Catalysis with Light” – CUP J33C24000790006 – Prof. Paolo Melchiorre	Artificial photoenzymes for converting feedstock into added-value chiral molecules
13	PhD scholarship	Funded by the Department of Chemistry "G. Ciamician" with funds made available by the project BIONIC - EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) – Mission 4 Education and Research – Component 2 From research to business - Investment 1.1, Call Prin 2022 - DD N. 104 of 2/2/2022 “Binders with high iONic Conductivity for fully sustainable Li-ion cells (BIONIC)”, code 202254AF3F - CUP J53D23008480006	Sustainable materials for advanced energy storage and conversion devices



The number of positions and scholarships may be incremented in case additional funding becomes available, notwithstanding the terms of the application process in the Call. Any amendment, update or integration of the Programme Table will be published on the University website, even after the Call for applications has expired. Any further PhD positions shall be integrated in the PhD Programme Table within ten days before the oral examination.

All PhD positions winners shall fulfill the learning and research obligations decided by the Academic Board and the obligations foreseen in the relevant regulations, funding schemes and eventual agreements, and in the Call for Applications.

Admission Exams

	DATE AND TIME	RESULTS
Qualifications evaluation	Applicants' participation is not required	Available from 01/07/2024
Oral examination	Date: starting from 15/07/2024 – 10 a.m. CEST Place: In presence, UE1 Building, via della Beverara 123/1, Bologna. Remotely, using Microsoft Teams	Available from 24/07/2024

The results of the qualifications and research proposal evaluation shall be available on the webpage [Studenti Online](#) (select “summary of the requests in progress” > “see detail” and open the .pdf file at the bottom of the page) together with the oral examination detailed schedule. **No personal written communication will be sent to applicants concerning the examinations results.**

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

Required and Supporting Documents to be attached to the application

All the documents listed below **shall be drawn up in English or in Italian**. In case of documents originally issued in any other language (e.g. identity document, qualifications), an official translation is required.

Only qualifications obtained **during the last 5 calendar years** shall be taken into consideration, except for the University Degree. 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Postgraduate vocational training programmes and/or specialisation programmes relevant to the PhD Programme - Teaching activities carried out at academic level - Specialisation thesis abstract (5000 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”.