

## Chemistry

<b>Cycle</b>	40°
<b>Director</b>	Prof. Alessandro Massi ( <a href="mailto:alessandro.massi@unife.it">alessandro.massi@unife.it</a> ) Department of Chemical, Pharmaceutical and Agricultural Sciences
<b>Duration</b>	3 years
<b>International Character:</b>	Joint PhD Programme in "Chemistry" with the University of Wroclaw - Department of Chemistry (Poland).
<b>Curriculum</b>	1. Chemistry 2. Pharmaceutical Science and Food Chemistry
<b>Research Topics</b>	<a href="https://www.unife.it/studenti/dottorato/it/corsi/riforma/chemistry">https://www.unife.it/studenti/dottorato/it/corsi/riforma/chemistry</a>
<b>Qualification required for admission</b>	Italian degree known as "Laurea specialistica/magistrale" or a degree awarded prior to approval of Ministerial Decree D.M. n. 509 of 3 November 1999, updated with D.M. n. 270 of 22 October 2004, n. 270; Master's (second level) degree, or an equivalent foreign academic qualification awarded abroad

### Assessment Criteria

<b>Evaluation of qualification:</b> maximum score <b>60</b> points. Minimum score required to be admitted to the interview <b>40/60</b>		
<b>Interview:</b> maximum score <b>20</b> points		
<b>Minimum final score required: 60/80</b>		
During the interview, applicant's knowledge of the following language will be tested:		English
List of assessable credentials		
<b>Education</b>	1. Curriculum Vitae et Studiorum; 2. Full academic record (bachelor and master's degree) with certification or self-certification of taken courses and relative scores, plus final degree mark for graduate students. 3. Abstract of master's degree thesis (max. 2 pages) containing motivations, research methods, expected/obtained results, essential bibliography. For candidates graduating within 31/10/2024, the abstract must be signed by the thesis supervisor. <b>N.B:</b> all documents must be provided in Italian or in English.	Up to 40 points
<b>Research Project</b>	The project (max 3 pages) - in English or in Italian - describes an original proposal for a research topic, structured as follows: state of the art, relevance of the topic, expected results.  <i>This project is not binding regarding the subsequent choice of the doctoral thesis, with the exception of positions with a defined topic, for which the coherence of the research project with the topic constitutes a requirement for evaluation, under penalty of exclusion of the candidacy. The candidate admitted to positions with a specific topic will carry out the research training course and the thesis in line with the topic itself.</i>	Up to 10 points
<b>Statement of research interest</b>	Short text (max 1 page) in English giving personal motivations to attend the PhD program and candidate research interests.	Up to 8 points

<b>Other qualifications</b>	1. Scientific publications; 2. Participation to meetings; 3. Academic, professional qualifications, language certificates; 4. Training periods	Up to 2 points
<b>Interview agenda/program</b>		
The program can be conducted in either Italian or English and will focus on the discussion of the research project presented, topics developed in the thesis, and themes specific to the doctoral curriculum.		
<b>Examination Timetable</b>		
Evaluation of qualifications and interview will take place within <b>October 7<sup>th</sup> 2024</b> . Evaluation results will be published at the following page< <a href="https://www.unife.it/studenti/dottorato/it/concorsi/bandi-40/bando-40-ordinario/esiti-concorso">https://www.unife.it/studenti/dottorato/it/concorsi/bandi-40/bando-40-ordinario/esiti-concorso</a> . The Beginning date for consulting the evaluation results and the interview schedule will be available within the present call deadline at the following page: <a href="https://www.unife.it/studenti/dottorato/it/concorsi/bandi-40/bando-40-ordinario/date-e-luoghi-per-il-colloquio-dates-and-locations-for-the-interview">https://www.unife.it/studenti/dottorato/it/concorsi/bandi-40/bando-40-ordinario/date-e-luoghi-per-il-colloquio-dates-and-locations-for-the-interview</a>		

<b>TOTAL AVAILABLE POSITIONS</b>	<b>8</b>
<b>With scholarship</b>	<b>6</b>
<b>Positions with scholarship reserved for candidates holding a university degree obtained in a foreign Institution</b>	<b>1</b>
<b>Positions reserved for foreign scholarship holders and/or scholarship holders of specific international mobility programs</b>	<b>1</b>

<b>Regular positions with scholarship</b>		
<b>N°</b>	<b>Funding institution</b>	<b>Research topic or area (if applicable)</b>
<b>3</b>	Università degli Studi di Ferrara	
<b>1</b>	Department of Chemical, Pharmaceutical and Agricultural Sciences	<i>Study and impact of fresh and processed food enrichment with functional nutrients by using advanced analytical methodologies</i>
<b>1</b>	Co-funded by Department of Chemical, Pharmaceutical and Agricultural Sciences and Università degli Studi di Ferrara	Principles and applications of mono- and multi-dimensional separation techniques for analytical and preparative purposes
<b>1</b>	Co-funded by Department of Chemical, Pharmaceutical and Agricultural Sciences and Università degli Studi di Ferrara	Sustainable catalytic processes for the synthesis of biomaterials and value-added products
<b>1</b>	Regione Emilia-Romagna – PR FSE+ 2021/2027	Design, synthesis and biological evaluation of NOP receptor biased agonists as pharmacological tools for the development of innovative drugs