



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

**PROGRAMME REGULATIONS OF THE MASTER DEGREE IN
PHOTOCHEMISTRY AND MOLECULAR
MATERIALS (LM-54 Scienze Chimiche)**

Campus of Bologna

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Second Cycle Degree Program in Photochemistry and Molecular Materials

Art. 1 Admission requirements

- **Access requirements**

Admission to the 2nd cycle degree program is subject to the possession of a 1st cycle degree, or other suitable qualification obtained abroad.

Moreover, admission to the 2nd cycle degree program is also subject to the possession of curricular requirements and to a test on the suitability of the personal knowledge.

- **Curricular requirements**

The following curriculum requirements are requested:

1. The possession of a 1st cycle degree in one of the following classes:

- ex D.M. 270:
- ✓ L-27 Chemical Sciences and Technologies
- ex. D.M. 509/99:
- ✓ L-21 Chemical Sciences and Technologies
- Previous degree program system (before D.M. 509/99): Degree in Chemistry or in Industrial Chemistry
- Any other degree obtained abroad that is recognized by the Second Cycle Degree Board as equivalent to the previously listed degrees.

2. If no degree certificate has been obtained, the candidate should have obtained at least 60 CFU in basic scientific learnings (CHIM/01 to CHIM/12, BIO/10 - BIO/11, ING-ND/22 to ING-IND/27). A good basic knowledge of physical chemistry is also required: this knowledge will be evaluated mainly on the basis of the curriculum (1st cycle or five-year degree and programs) and on the content of the related courses.

3. Students with a foreign degree should possess a title that is recognized equivalent to those described in points 1 and 2. The evaluation will be conducted accordingly to procedures defined annually by the Board.

- **Assessment of knowledge and language skills**

The knowledge of the English language at B2 level is required for the admission to the Degree Program.

The candidates must possess an appropriate certificate attesting the B2 level.

Students who previously attended 1st cycle degree courses for which the official language of instruction is English, and English native speakers are exempt from presenting the certificate.

Art. 2 Individual study plans

Students may choose from the courses available in the course structure diagram, following the methods indicated in the structure itself and in the terms indicated annually by the School and published on the University website.

Individual study plans are not allowed, unless exceptional and motivated reasons are recognized. Motivated requests, presented within the limits defined annually and published on the University of Bologna website, will be subjected to evaluation by the Degree Board. If the request will be found acceptable, the Board will then ascertain the congruence of the individual study plan with the educational objectives of the degree program.

Art. 3 Implementation of learning activities and types of teaching activities

The enclosed teaching plan indicates all the learning activities and their division into hours of classroom teaching, practical exercises, or internship, as well as the type of teaching methods.

Any further information will be published annually on the University website.

Art. 4 Attendance and preparatory activities

Compulsory attendance of teaching activities is indicated in the attached teaching plan, together with any preparatory activities involved in the individual learning activities.

The methods of compulsory attendance and any verification thereof are laid down annually in the study program during the presentation of the teaching plan and are notified to the students prior to the start of the program on the University website.

Art. 5 Flexible study plan

Students can opt for flexible study plans, which allows to complete the 2nd cycle degree course in a longer time with respect to the normal number of years (2 years for second cycle degree courses), according to the rules defined within the University Teaching Regulation.

The teaching activities of the study program can be replaced, in case of forced deactivation, by other activities, in order to guarantee quality and sustainability of the educational courses on offer.

Art. 6 Assessment of learning activities

The attached teaching plan indicates all cases in which the learning activities end with an exam, marked with a score out of 30, or by a simple "pass" when the necessary competencies have been acquired. The assessment methods (oral, written or practical exam or any combination thereof; individual or group exams) are laid down annually by the Degree Program during the presentation of the teaching plan and notified to the students prior to start of the program on the University website.

Art. 7 Elective learning activities

Students may select autonomously one or more learning activities from among those defined by the Degree Program Board or listed in the teaching plan.

If a student chooses to sit exams concerning an activity that is not activated at the School, he/she shall need to submit the request to the Degree Board according to annual terms and conditions as published on the University website. The Board will assess the coherence of the choice with the student's study program.

Art. 8 Criteria for the recognition of credits acquired in degree programs in the same class

The acquired university credits are recognized up to the number of credits indicated for the same subject group laid down in the degree program teaching regulations, in compliance with the relative subject area and the type of learning activities.

If, after having evaluated and accepted the credits according to the provisions of this regulation, there remain unused residual credits, the Degree Programme Board may also accept their validity, after assessing each specific case on the basis of teaching and cultural affinities.

Recognition refers to course units delivered or learning activities undertaken in English.

Art. 9 Criteria for the recognition of credits acquired within degree programs in different classes, from telematic universities or international degree programs

The acquired credits are recognized by the Degree Programme Board according to the following criteria:

- analysis of the course contents
- assessment of the coherence of the scientific-disciplinary fields and the contents of the learning activities

in which the student has acquired the credits with the specific learning outcomes of the study program and the individual learning activities to be recognized, in any case pursuing the aim of promoting student mobility.

The credits are recognized up to the maximum number of university credits provided for the program, as laid down in the degree program teaching regulations.

If, after having recognized the credits according to the provisions of this regulation, there are unused residual credits, the Degree Programme Board may recognize them by assessing the specific case in coherence with the teaching and cultural affinities.

Only teaching or training activities held in English may be recognized.

Art. 10 Criteria for the recognition of extra-university competencies and skills

Competencies acquired outside the university may be recognized in the following cases:

- professional knowledge and skills certified under the terms of the applicable laws;
- competences and skills acquired in post-graduate learning activities run or planned by the University.

The request for recognition shall be assessed by the Degree Programme Board considering the indications of the academic bodies and the maximum number of recognizable credits laid down in the study program Teaching Regulations.

This recognition is subject to the activities being coherent with the specific learning outcomes of the study program and the learning activities which are recognized, also in consideration of the contents and duration in hours of the implemented activity.

Art. 11 Internships for the purpose of the final examination, dissertation or linked to a project aiming to develop learning and academic skills

At the request of the student, the Degree Program may, following the procedures laid down in the University Regulations concerning internships and international mobility programs, and in compliance with EU laws, authorize an internship for the purposes of preparing the dissertation or in any case linked to a project aiming to develop learning and academic skills.

These learning experiences shall not exceed 12 months and shall be completed by the date of graduation; learning credits may be awarded for these activities:

- included in the quota for the final examination;
- for the internship activities laid down in the course structure diagram;
- for elective activities counting towards the internship;
- for additional activities if the number of credits exceeds the one required for graduation.

Art. 12 Final examination

- **Final examination characteristics**

The thesis of the second cycle degree program in “Photochemistry and Molecular Materials” has original and experimental character and is linked to a project or an internship.

The Final examination consists in the preparation and public discussion of a dissertation written in English and prepared under the supervision of a tutor, who is usually a professor of the Degree Programme. The dissertation shall demonstrate critical abilities and communication skills, and provide elements of originality.

- **Final examination criteria**

The final examination is public and consists in the presentation, in front of a Final Examination Board, of a thesis written in English and in the discussion of the related experimental work.

The Board must ascertain the student ability to work independently, to describe and discuss clearly and autonomously the results obtained in the research project. The Board expresses its final assessment with a grade out of one hundred and ten, and comprises a general evaluation of the student's curriculum.

Art. 13 Coherence between credits of the different teaching activities and the expected learning outcomes

The Faculty- Student Joint Committee of Unibo School of Sciences has approved this Regulation, according to Art. 12, par. 3, of DM 270/04.



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