

Second Cycle Degree Programme in Advanced Spectroscopy in Chemistry

Art. 1 Admission requirements

Admission to the degree programme is subjected to curricular requirements and to the assessment of knowledge and skills

Skill requirements:

To be able to profitably follow the 2nd Cycle Degree Programme in Advanced Spectroscopy in Chemistry, students must possess the following knowledge:

- Sufficient English-language proficiency is a prerequisite for admission to the programme. Minimum is the B2 level of the European reference system
- Fundamentals of Organic Chemistry and Biochemistry, Inorganic, Physical and Analytical Chemistry

Curricular requirements:

The following curricular requirements are needed:

1. A 1st cycle degree in one of the following classes, or other suitable qualification obtained abroad:

- ex Italian Ministerial Decree no. 270:

L-27 Scienze e Tecnologie Chimiche

- ex. Italian Ministerial Decree no. 509/99:

21 Scienze e Tecnologie Chimiche

- Other qualifications admissible under special laws:

the Chemistry Eurobachelor®

or

2. Shall have acquired at least 90 CFU in one or more of the following subject areas:

- CHIM/01-12 and ING-IND/21-27

If neither the above degree certificate nor the above-mentioned credits have been obtained, admission to the 2nd Cycle Degree Programme is subjected to an assessment by a Board to ascertain the required skills and competencies through the assessment of the candidate's curriculum.

If the candidate's level is considered sufficient, the Commission allows the admission of the candidate to the assessment of personal competences and skills.

For candidates holding a foreign degree, the Commission shall verify the possession of knowledge and skills evaluating the candidate curriculum .

Assessment of personal competences and skills

Assessment of personal competences and skills will be done by an assessment of the candidate's curriculum.

The Board of Master Degree may establish an assessment session dedicated to international students and a dedicated Commission, according to the deadlines of the call for application of the scholarships and ministerial pre-registration procedures

Assessment of knowledge and language skills

Admission to the degree programme is subjected to an assessment of knowledge and skills in the English language, to level B2

The B2 level requirement of language knowledge and skills is considered fulfilled for students holding an equivalent language level certification

Level B2 can be certified by the Language Centre of the University of Bologna (CLA-UNIBO) or internationally recognized language certifications (TOEFL, IELTS, etc.). Native English students are exempt from producing this certification.

Art.2 Mobility rules between Degree Programme curricula.

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 the School and published on the University website.

Individual study plans may not be presented.

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 the 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 there of are laid down annually in the study programme during the presentation of the teaching plan and are notified to the students prior to the start of the programme on the University website.

Art.5 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 simple "pass" in the case of having acquired the relative competencies.

The assessment methods (oral, written or practical exam or any combination there of; individual or group exams) are laid down annually by the Degree Programme during the presentation of the teaching plan and notified to the students prior to start of the programme on the University website.

Art.6 Elective learning activities

Students may select one or more learning activities autonomously from all those activated at the University of Bologna. The Degree Programme Board has resolved that these learning activities are consistent with the study plan.

Art. 7 Criteria for the recognition of credits acquired in degree programmes 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 attached course structure diagram

If 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.

Referring to degree programmes delivered in a language other than Italian, recognition refers to course units delivered or learning activities undertaken in that language.

Art. 8 Criteria for the recognition of credits acquired within degree programmes in different classes, from telematic universities or international degree programmes

The acquired credits are recognised by the Degree Programme Board according to the assessment of:

- the content of the programme
- 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 programme 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 in the programme laid down in the attached course structure diagram.

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

Art. 9 Criteria for the recognition of extra-university competencies and skills

Competencies acquired outside of the university may be recognised 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 recognisable credits laid down in the study programme Teaching Regulations.

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

Art. 10 Undergraduate internships for the purpose of the final examination, dissertation or in any case linked to a project aiming to develop learning and academic skills

At the request of the student, the Degree Programme may, following the procedures laid down in the University Regulations concerning internships and international mobility programmes, and in compliance with EU laws, authorise an internship for the purposes of the final examination or 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;

Art. 11 Final examination methods

The final exam consists in the submission of a Thesis (original manuscript report) related to original experimental activities in the research fields that concern the Master Course, followed by a public dissertation in front of a Commission. For the admission to the final exam, the student must have completed all the training credits of the Master course programme, except those reserved for the final exam.

The Degree Council appoints the Commission for final exam, and their President. The Commission is made up of at least 3 members, chosen amongst the professors and researchers of the School belonging to the Master Degree. Prior to the final defense the supervisor shall obtain

an external assessment of the Thesis by a member of one Partner institutions of the ASC consortium.

The Commission shall evaluate the candidate taking into account the curriculum, the external assessment of the Master Thesis, and the discussion. The rules for the award of the vote are established by the Degree Council and may be reviewed annually. The amended rules will come into effect from the summer session of the next academic year.

Art. 12 Correspondence between the credits assigned to each learning activity and the planned learning outcomes

On 22/11/2019 the Joint Teacher-Student Committee expressed its favorable opinion under the terms of article 12 para. 3of