



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

**PROGRAMME REGULATIONS OF THE MASTER DEGREE IN  
CHEMICAL INNOVATION AND REGULATION  
(LM-54 Scienze Chimiche)**

Campus of Bologna

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**Admission requirements  
For MASTER DEGREES**

**Master Degree Course in “Chemical Innovation and Regulation”**

UniBo is the Alma Mater Studiorum Università di Bologna

**Art. 1 Admission requirements**

• **Access requirements**

In order to be admitted to the Master Degree program in “Chemical Innovation and Regulation” students must possess a first cycle degree or other suitable qualification obtained abroad.

Moreover, students must possess curricular requirements and suitable personal knowledge as specified below.

**Curricular requirements**

The student must possess a first cycle degree in one of the following Classes:

- ex D.M. 270:
  - L-13 Biological sciences
  - L-27 Chemical sciences and technology
  - L-29 Pharmaceutical sciences and technology
  - L-32 Environmental and natural sciences and technology
  - L-7 Civil and environmental engineering
  - L-9 Industrial engineering
  
- ex. D.M. 509/99:
  - 8 Civil and environmental engineering
  - 9 Industrial engineering
  - 12 Biological sciences
  - 21 Chemical sciences and technology
  - 27 Environmental and natural sciences and technology
  - 24 Pharmaceutical sciences and technology
  
- Four- or five-years degree valid before D.M. 509/99
  - Chemistry
  - Industrial Chemistry
  - Chemical engineering
  - Pharmacy
  - Pharmaceutical sciences and technology
  - Biology
  - Environmental sciences

Or any other Degree obtained abroad in the fields of Chemistry, Industrial Chemistry, Chemical engineering, Pharmaceutical sciences, Biological sciences, Environmental sciences, considered valid by the Degree Programme Board.

Moreover, students must have achieved at least 60 credits in basic scientific disciplines, of which at least 25 in the following disciplines: CHIM/01-CHIM/12; BIO/10-BIO/11; ING-IND/22-ING-IND/27 or in equivalent disciplines in case of Degrees obtained abroad.

### **Knowledge of the English language**

English language knowledge at B2 level (European classification) is required for the admission to the Degree programme.

### **Assessment of personal knowledge**

Students' personal knowledge will be assessed as specified above. An Admission Board composed by teachers from the three Partner Universities and approved by the Degree Programme Board will be in charge of the assessment.

The assessment rules will be published on UniBo web portal and will consist in the evaluation of the academic curriculum of candidates, their in-depth knowledge of the English language, their CV and personal motivation and the analysis of possible reference letters provided by experts in the fields object of the Degree programme.

All the information required for the assessment must be provided by candidates during the submission of their application, using the web tool available on the Degree Programme official web site: [www.emmcchir.net](http://www.emmcchir.net)

### **Art. 2 Individual study plans**

Students may choose from the courses available in the course structure diagram, according to the rules indicated in the structure itself and within the deadlines published on Unibo web portal. Students will be allowed to present individual study plans according to the deadlines published on Unibo web site.

The Degree Programme Board shall approve or reject individual study plans according to their congruence with the general structure of the Degree Programme and:

- Compliance with the learning outcomes of the Degree Programme;
- Conformity with the number of exams, course units and credits of the official Teaching plan.

### **Art. 3 Characteristics of the different teaching activities**

Detailed information for each teaching activity is described in the attached Teaching Plan, including the partition of the overall hour amount into lectures, practical exercises and internship as well as the type of teaching methods.

Further information will be made available every year on UniBo web portal.

### **Art. 4 Mandatory attendance and rules for exams sequencing**

The rules of compulsory attendance to learning activities are described in the annexed Teaching Plan, as well as the required sequencing of some exams.

The methods of verification of compulsory attendance will be defined annually by the Degree Programme Board and will be notified to students before the beginning of lectures on UniBo web site.

#### **Art. 5 Assessment of learning activities**

According to the attached Teaching Plan learning activities will be graded with a numeric mark or through a pass/non pass grade.

Assessment methods of learning activities (oral, written, practical or combined; individual or group assessment) shall be defined annually by the Degree Programme Board, during the definition of the regular teaching plan and published on UniBo web Portal.

#### **Art. 6 Elective learning activities**

Students may choose autonomously one or more learning activities:

- among those defined by the Degree Programme Board and listed in the annexed Teaching Plan.

If a student intends to attend one learning activity that is not included in the previewed list, she/he must submit a request to the Degree Programme Board within the deadlines and conditions published on UniBo web portal.

The Board shall verify the coherence of the request with the student's own study plan.

#### **Art. 7 Criteria for recognition of credits previously achieved in the same Class**

Credits will be recognized up to the number of credits that have been for the same scientific disciplinary field in the annexed Teaching Plan.

If the number of recognised credits is lower than the number of achieved credits, the Degree Programme Board may also determine the validity of the residual credits, upon the assessment of each specific case.

In case of Degree Programs taught in a language other than Italian, the recognition of credits will concern teaching activities held in that language.

#### **Art. 8 Criteria for recognition of credits previously achieved in Degree Programmes of different Classes, distance learning Universities, or International Degree Programmes**

Credits will be recognized by the Degree Programme Board according to the following criteria:

- evaluation of the course contents;
- analysis of the coherence of the scientific disciplinary fields and the contents of the teaching activities in which the student achieved credits with the learning outcomes of the Degree Programme and the specific teaching activities to be recognised, with the general aim to promote students' mobility.

Credits will be recognized up to the number of credits that have been for the same scientific disciplinary field in the annexed Teaching Plan.

If the number of recognised credits is lower than the number of achieved credits, the Degree Programme Board may also determine the validity of the residual credits, upon the assessment of each specific case.

In case of Degree Programs taught in a language other than Italian, the recognition of credits will concern teaching activities held in that language.

#### **Art. 9 Criteria for recognition of skills and knowledge achieved outside the University system**

Skills and knowledge achieved outside the university system may be recognized in the following cases:

- professional knowledge and skills officially certified by a competent authority;
- knowledge and skills obtained in higher education activities designed and realized in cooperation with a University.

The request for recognition shall be evaluated by the Degree Programme Board in compliance with the guidelines issued by the Academic Bodies and the Degree Programme Teaching Regulations.

Recognition is possible only if the activity is coherent with the learning outcomes of the Degree Programme and the specific learning activity that will be considered equivalent, in compliance with the content and duration of the performed activity.

#### **Art. 10 Internship in preparation of the final examination or linked to a project aiming to improve student's learning and education**

A compulsory internship aimed at the preparation of the **final examination / thesis**, or linked to a learning project aiming to develop learning and education of the student, is included in the Teaching Plan. The Degree Programme Board shall approve/reject the specific training project proposed by the student in compliance with Unibo Training Regulations or International Mobility Programmes for Traineeships rules, or the European Union regulations.

#### **Art. 11 Rules for the final examination**

- **Characteristics of the final examination**

The final assessment of the student's performance consists in the redaction and defence of an original thesis on a topic coherent with the learning outcomes of the Degree Programme, under supervision of a University teacher.

The dissertation must demonstrate the student's knowledge in the field of study, her/his judgement skills, competency for making decisions and good communication skills.

- **Final examination criteria**

The final examination consists in a presentation of the scientific results described in the student's Master thesis and by the following discussion in front of a Final Examination Board.

The Final Examination Board is composed by teachers from the partner University where the final examination is held (Research Host University), including at least one teacher from another Partner University, appointed by the Degree Programme Board. This composition must comply with the guidelines of the University where the final examination is performed.

The final examination can also be linked to a learning project or an internship.

**Art. 12 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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[www.unibo.it](http://www.unibo.it)