



Chemistry

Università di Camerino

Master Degree - Second Cycle Degree

duration 2 years - ECTS credits 120

School of Science and Technology

Course Coordinator

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Educational Guidance

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Offerta formativa

<https://www.unicam.it/didattica>

Introducing the Master

The Master of Science in Chemistry belongs to the Class LM-54 (Scienze Chimiche). It offers the possibility to enhance the chemistry knowledge, especially in the areas that characterize the chemical research in UNICAM. The course provides skills and fundamental knowledge in innovative chemistry areas, in order to offer an educational qualification competitive on the global labor market.

In parallel with the degree course in Biological Sciences, students can enroll in the Scuola di Studi Superiori "Carlo Urbani", an institution of excellence, subject to selection based solely on merit.

For more information, visit: <https://scuolastudisuperiori.unicam.it>

Admittance requirements

- Bachelor Degree that satisfies the requirements for access to University Master Degree courses
- List of subjects studied (transcript of records with grades obtained):
 - at least 24 ECTS of Mathematics, Physics and Informatics
 - 50 ECTS in Chemistry and Biology with adequate credits of laboratory practices.
 - Level of language proficiency (strongly recommended): ENGLISH level B2 (Independent User)

A commission will assess the skills necessary to enroll.

Further information on admission rules, pre-admission deadline and other services at

<http://international.unicam.it>

Career opportunities

The master degree in Chemistry will prepare professionals able to work in labs, industries and public corporations at a manager level, in the following fields:

- public and private research facilities;
- chemical industry and manufacturing;
- laboratories for analysis, monitoring and managing the environment and the waste cycle;
- energy production and energy storage industries;
- analytical chemistry laboratories for compliance testing and/or quality assurance;
- private professional practice

Labor statistics

The labor statistics carried out by Alma Laurea in 2024 shows that the employment rate of graduates of the LM54 Class of UNICAM, one year after graduation, is 80%; 30% of graduates is employed in a doctoral course.

The University of Camerino signed several agreements and conventions with many institutions, universities and companies both in Italy and abroad to facilitate the mobility of students and their interaction with the labor market.



Course Structure

The degree course is developed over 4 semesters. The student can differentiate the curriculum according to his/her interests, based on the educational offer in the thematic areas of the most innovative research sectors by choosing 30 ECTS, specifically 20 ECTS among the activities of type C* among those proposed and 10 ECTS for activities of the student's choice of type D**. *The training activities of type C have contents strictly related to the objectives of the Chemistry Course.

**The training activities of type D can also be chosen among those of type C proposed by the Chemistry Course or by other Master Degrees provided by the University, subject to authorization by the Course Coordinator.

I year **total 60 ECTS**
Students will follow courses that characterize the degree class

I semester ECTS
Advanced Physical Chemistry 8
Coordination Chemistry 6
Environmental Chemistry and Laboratory 12
Spectroscopic Methods 8

II semester ECTS
Advanced Analytical Chemistry and laboratory 7
Advanced Organic Chemistry 6
Laboratory of synthesis 8
Optional activities of free choice 10
Four exams among of the block "Optional activities"* 20

II year **total 60 ECTS**
The student can differentiate the training path according to his own interests, based on the didactic offer in the thematic areas of the most innovative research sectors, choosing from a list of proposed optional activities

I semester ECTS
Optional activities picked from the proposed list 20

List of **Optional activities** (5 ECTS each):
Biomonitoring
Energy production and storage
Environmental remediation
Green Organic Chemistry
Bioorganic Industrial Synthesis
Polymer chemistry and applications
Organic Stereochemistry and mechanisms

Inorganic materials and applications
Organometallic Chemistry and catalysis
Supramolecular and Bioinorganic Chemistry
Structural Biology
Laboratory of Applied Analytical Chemistry
Circular Economy and Innovative Materials
Molecular modelling of biopolymers

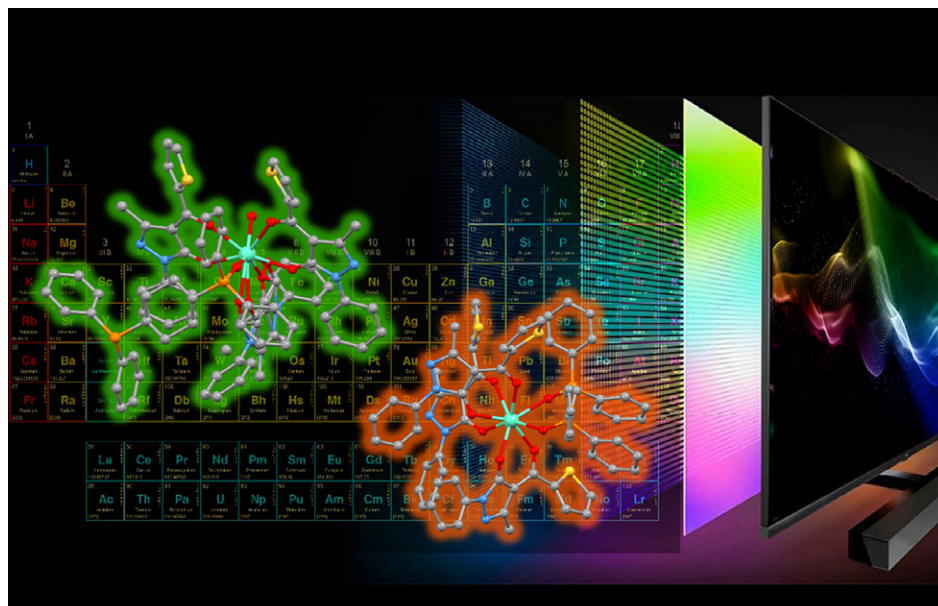
The student can select the optional activities of free choice even among other active courses of the School of Science and Technology or of the other University Schools.

II semester ECTS
Chemistry project 9
Master Thesis and final elaborate 26

The last semester is devoted to the thesis project that can be carried out in the UNICAM research laboratories or in affiliated companies and organizations.

Some of the possible thesis topics are::

- chemiluminescent materials,
- radiopharmaceuticals,
- organic and inorganic catalysts,
- biologically active substances,
- green chemistry,
- production and electrochemical storage of energy,
- nanomaterials and innovative materials,
- methods for the analytical determination of environmental and food contaminants,
- applications of natural dyes,
- ... and many others.



Student Services

Guidance

Scholarships

Welcome - Tutoring

Counseling and psychological well-being

Services for Students

with Disabilities and DSA

International mobility



a.y. 2025/2026

Information

Guidance

via Gentile III da Varano 2 - 62032 Camerino - 0737 404606 - 403727 - orientamento@unicam.it

Address Student Offices

(registrations, study plans, university transfers, university contributions)

via Gentile III da Varano 26 - 62032 Camerino

Ticketing: <https://segreteriastudenti.unicam.it/>

Contributions and registrations

Procedure available at <https://miiscrivo.unicam.it/>

Educational services, Classrooms, Lesson timetables

<https://www.unicam.it/studente>

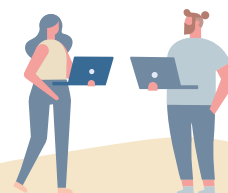
fb Polo degli studenti Unicom

in [Serviziaglistudentiunicam/](https://serviziaglistudentiunicam/)

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<https://www.unicam.it/> numero verde 800 054000

Polo degli Studenti



Tasse e contributi

Give consent to the acquisition of your **ISEE-U** to personalize your university fees