



Università  
Ca' Foscari  
Venezia

## Master's Degree CHIMICA E TECNOLOGIE SOSTENIBILI

Curriculum Biomolecular Chemistry

enrolled  
A.Y. 2024-25

### RECOMMENDED CAREER PLAN

Department of Molecular Sciences and Nanosystems

**CM7**

ordinamento 2017  
regolamento 2024

|              | Year | Semester | Exam-code | Field code | Subject   | Credits         | Credits total amount |
|--------------|------|----------|-----------|------------|---|-----------------|----------------------|
| a.y. 2024-25 | 1    | I        | CM0590    | CHIM/02    | Quantum chemistry                               | 6               | 60                   |
|              |      |          | CM0591    | CHIM/06    | Bioorganic chemistry                            | 12              |                      |
|              |      |          | CM0592    | CHIM/03    | Advanced inorganic chemistry                    | 6               |                      |
|              |      |          | CM0589-1  | CHIM/01    | Analytical techniques for biomolecules - mod. 1 | 6               |                      |
|              |      | II       | CM0589-2  | CHIM/01    | Analytical techniques for biomolecules - mod. 2 | 6               |                      |
|              |      |          | CM1304    | CHIM/02    | Fundamentals of spectroscopy                    | 6               |                      |
|              |      |          | CM0594    | CHIM/03    | Bioinorganic chemistry and photo(bio)chemistry  | 12              |                      |
|              |      |          | CM0593    | CHIM/04    | Industrial biotechnology                        | 6               |                      |
| a.y. 2025-26 | 2    | I        |           |            | Three subjects to be chosen from the list       | 18              | 60                   |
|              |      |          | CM0595    | BIO/10     | Advanced biological chemistry                   | 6               |                      |
|              |      |          | CM0596    | CHIM/08    | Pharmaceutical chemistry                        | 6               |                      |
|              |      |          | CM1425    | BIO/19     | Microbiology                                    | 6               |                      |
|              |      |          | CM0597    | BIO/11     | Tissue engineering and drug testing             | 6               |                      |
|              |      |          | CM0598    | CHIM/02    | Methods for molecular dynamics simulation       | 6               |                      |
|              |      | II       | CM1401    | BIO/10     | Biomacromolecular engineering                   | 6               |                      |
|              |      |          |           |            | Elective courses (**)                           | 12              |                      |
|              |      |          |           |            | Internship                                      | 6               |                      |
|              |      |          |           |            | Thesis  | 24              |                      |
|              |      |          |           |            |   | <b>tot. CFU</b> | <b>120</b>           |

Elective courses

(\*\*) Among the 12 credits to be chosen by the students, it is possible to add courses available for every Master Degree programme of Ca' Foscari University.