



**RECOMMENDED CAREER PLAN**

Department of Molecular Sciences and Nanosystems

outline 2017  
regulation 2024

|              | Recomm.<br>course year | Semester | Code     | Educational<br>sector | Course  | CFU                  | Subtot.<br>CFU |    |                                |    |
|--------------|------------------------|----------|----------|-----------------------|---|----------------------|----------------|----|--------------------------------|----|
| 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                      |          |          |                       |   | 18 CFU from the list | 18             | 60 |                                |    |
|              |                        | I        | CM0595   | BIO/10                | Advanced biological chemistry                   | 12                   |                |    |                                |    |
|              |                        |          | CM0596   | CHIM/08               | Pharmaceutical chemistry                        |                      |                |    |                                |    |
|              |                        |          | CM1425   | BIO/19                | Microbiology                                    |                      |                |    |                                |    |
|              |                        |          | CM0597   | BIO/11                | Tissue engineering and drug testing             |                      |                |    |                                |    |
|              |                        |          | CM0598   | CHIM/02               | Methods for molecular dynamics simulation       |                      |                |    |                                |    |
|              |                        | II       | CM1401   | BIO/10                | Biomacromolecular engineering                   | 24                   |                |    |                                |    |
|              |                        |          |          |                       |   |                      |                |    | Elective credits               | 12 |
|              |                        |          |          |                       |   |                      |                |    | Internship and career guidance | 6  |
|              |                        |          |          |                       |   | Final degree exam    |                |    | 24                             |    |
|              |                        |          |          |                       |   | <b>Tot. CFU</b>      | <b>120</b>     |    |                                |    |

**Elective credits**

Students can pick 2 courses from the same programme or from other Ca' Foscari Master's Degree programmes.