

CHEMISTRY DEGREE

International accreditation EUROBACHELOR



| ECTS CREDITS | |
|-----------------------------|------------|
| Basic training (FB) | 66 |
| Compulsory (OB) | 132 |
| Optional (OP) | 24 |
| End-of-degree Project (TFG) | 18 |
| Total | 240 |

Centre ([see](#))



CLICK ON THE CODE OF EACH SUBJECT TO ACCESS THE COURSE HANDBOOK

FIRST YEAR

| Code | Subject | Credits | Type | Semester |
|-----------------------|--|---------|------|----------|
| 16349 | INITIAL EXPERIMENTAL WORK IN CHEMISTRY | 6 | FB | Annual |
| 16352 | COMPUTATIONAL TOOLS FOR CHEMIST | 6 | FB | Annual |
| 16354 | GEOLOGY | 6 | FB | 1 |
| 19317 | GENERAL CHEMISTRY I | 6 | FB | 1 |
| 19319 | PHYSICS I | 6 | FB | 1 |
| 19321 | MATHEMATICS I | 6 | FB | 1 |
| 16353 | BIOLOGY | 6 | FB | 2 |
| 19318 | GENERAL CHEMISTRY II | 6 | FB | 2 |
| 19320 | PHYSICS II | 6 | FB | 2 |
| 19322 | MATHEMATICS II | 6 | FB | 2 |

SECOND YEAR

| Code | Subject | Credits | Type | Semester |
|-----------------------|-------------------------|---------|------|----------|
| 16359 | STATISTICS | 6 | FB | 1 |
| 19323 | ANALYTICAL CHEMISTRY I | 6 | OB | 1 |
| 19325 | PHYSICAL CHEMISTRY I | 6 | OB | 1 |
| 19327 | INORGANIC CHEMISTRY I | 6 | OB | 1 |
| 19329 | ORGANIC CHEMISTRY I | 6 | OB | 1 |
| 16360 | BIOCHEMISTRY | 6 | OB | 2 |
| 19324 | ANALYTICAL CHEMISTRY II | 6 | OB | 2 |
| 19326 | PHYSICAL CHEMISTRY II | 6 | OB | 2 |
| 19328 | INORGANIC CHEMISTRY II | 6 | OB | 2 |
| 19330 | ORGANIC CHEMISTRY II | 6 | OB | 2 |

THIRD YEAR

| Code | Subject | Credits | Type | Semester |
|--------------|--------------------------------------|---------|------|----------|
| <u>16367</u> | STRUCTURAL CHARACTERIZATION | 6 | OB | 1 |
| <u>19331</u> | INSTRUMENTAL ANALYTICAL CHEMISTRY I | 6 | OB | 1 |
| <u>19333</u> | PHYSICAL CHEMISTRY III | 6 | OB | 1 |
| <u>19335</u> | ADVANCED INORGANIC CHEMISTRY I | 6 | OB | 1 |
| <u>19337</u> | ADVANCED ORGANIC CHEMISTRY I | 6 | OB | 1 |
| <u>16366</u> | CHEMICAL ENGINEERING | 6 | OB | 2 |
| <u>19332</u> | INSTRUMENTAL ANALYTICAL CHEMISTRY II | 6 | OB | 2 |
| <u>19334</u> | PHYSICAL CHEMISTRY IV | 6 | OB | 2 |
| <u>19336</u> | ADVANCED INORGANIC CHEMISTRY II | 6 | OB | 2 |
| <u>19338</u> | ADVANCED ORGANIC CHEMISTRY II | 6 | OB | 2 |

FOURTH YEAR

| Code | Subject | Credits | Type | Semester |
|--------------|--|---------|------|----------|
| <u>16370</u> | END-OF-DEGREE PROJECT | 18 | TFG | Annual |
| <u>16365</u> | MATERIALS SCIENCE | 6 | OB | 1 |
| <u>16368</u> | ADVANCED EXPERIMENTAL WORK | 6 | OB | 1 |
| <u>16369</u> | PROJECTS AND PROCESSES IN THE INDUSTRIAL CHEMISTRY | 6 | OB | 1 |
| | OPTIONAL | 24 | OP | 1 or 2 |

OPTIONAL SUBJECTS

ROUTE: PRACTICAL CHEMISTRY

| Code | Subject | Credits | Type | Semester |
|--------------|---|---------|------|----------|
| <u>16378</u> | COMPUTER CHEMISTRY | 6 | OP | 1 |
| <u>16379</u> | FORENSIC CHEMISTRY | 6 | OP | 1 |
| <u>16381</u> | GREEN CHEMISTRY | 6 | OP | 1 |
| <u>16371</u> | PRACTICAL BIOCHEMISTRY AND BIOTECHNOLOGY | 6 | OP | 2 |
| <u>16373</u> | NANOCHEMISTRY | 6 | OP | 2 |
| <u>16374</u> | NATURAL PRODUCTS AND PHARMACEUTICAL CHEMISTRY | 6 | OP | 2 |
| <u>16375</u> | FOOD CHEMISTRY | 6 | OP | 2 |
| <u>16376</u> | ENVIRONMENTAL CHEMISTRY | 6 | OP | 2 |
| <u>16377</u> | BIOINORGANIC CHEMISTRY | 6 | OP | 2 |
| <u>16380</u> | CHEMISTRY FOR AGRICULTURE | 6 | OP | 2 |

ROUTE: BUSINESS AND CHEMICAL INDUSTRY

| Code | Subject | Credits | Type | Semester |
|--------------|-------------------------------|---------|------|----------|
| <u>16382</u> | EXTERNAL PRACTICAL | 6 | OP | 1 or 2 |
| <u>16384</u> | QUALITY CONTROL AND ASSURANCE | 6 | OP | 2 |

CENTRE

Faculty of Sciences

C/ Francisco Tomás y Valiente, 7

Campus de Cantoblanco

28049 – Madrid

Phone: +34 914976879

[Web page](#)