# ACADEMIC PLAN WITH GLOBAL TRACK

## B.S. in Chemistry - UA Tarragona, Spain

### Freshman Year

**Fall Semester**
- CHEM 151* (or CHEM 141/143*) 4
- MATH 122A/B (or 125) 5(3)
- ENGL 101 3
- TIER 1 3
  
  **Total Units:** 13-15

**Spring Semester**
- CHEM 152* (or CHEM 142/144*) 4
- MATH 129 3
- ENGL 102 3
- TIER 1 3 (or 6)
  
  **Total Units:** 13-16

### Sophomore Year UA TARRAGONA

**Fall Semester**
- Organic Chemistry I
- Organic Chemistry Lab
- Analytical Chemistry (F)
- 2nd Language or Chemistry Elective
  
  **Total Units:** 13-15

**Spring Semester**
- Organic Chemistry II
- Advanced Organic Chemistry Lab
- Biochemistry
- Bridging Courses in Chemistry or 2nd Language
  
  **Total Units:** 13-16

*Note that this is only an example plan. Please work with your advisor and study abroad coordinator to be sure you will meet your degree requirements and prerequisites.

### Junior Year

**Fall Semester**
- PHYS 141 2
- CHEM 326* 2
- CHEM Elective 3
- TIER 1/2 3(3)
  
  **Total Units:** 14-17

**Spring Semester**
- CHEM 401A* 3
- CHEM 404A* 3
- PHYS 241 3/2
- TIER 2/Electives 3-9
  
  **Total Units:** 12-18

### Senior Year

**Fall Semester**
- CHEM 480A* 3
- CHEM 400A* 3
- CHEM Elective 3/2
- TIER 2/Electives 3-9
  
  **Total Units:** 12-18

**Spring Semester**
- CHEM 480B* or 481* 3
- CHEM 412* 3
- CHEM 400B* 3
- CHEM Elective* 3/2
- Optional Elective 3
  
  **Total Units:** 12-15

**Total Units Needed:** 120

**Upper Division Units Needed:** 42

Classes in bold are only offered in the fall or spring semester as shown.

Note: This checklist indicates CHEMBS requirements. Additional coursework not listed on this page is required in order to graduate.

*Denotes grade of C or better required.

~Denotes department consent required to enroll.

Additional questions? We’re here to help!
Contact Your Academic Advisor

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*UA TARRAGONA*
**GENERAL EDUCATION PURPOSES:**

I. Freshman Composition *(Complete one sequence)*
ENGL 101 (3) ___ ENGL 102 (3) ___ or
(ENGL 106*) ___
ENGL 107 (3) ___ ENGL 108 (3) ___ or
ENGL 109H (3) ___

**FOUNDATION COURSES:** *(17-20 units)*

Mathematics
MATH 122A/B (5) or 125 (3) ___
MATH 129 (3) ___
CHEM 380 (3; F) or MATH 223 (4) ___

Physics
PHYS 141 (4) ___
PHYS 241 (4) ___

**MAJOR COURSES:** *(55-56 units)* Must earn a C or better in all major courses.

General Chemistry
CHEM 151 (4) ___ CHEM 152 (4) ___ or
CHEM 141/143 (4) ___ CHEM 142/144 (4) ___

Organic Chemistry
CHEM 246A (3; F) ___ CHEM 247A (2; F) ___
CHEM 246B (3; S) ___ CHEM 247N (2; S) ___

Majors Colloquium
CHEM 395A (1; S) ___

Biochemistry *(Only one course from BIOC 462A or BIOC 384 will satisfy this requirement.)*
BIOC 462A (4; F) ___ or BIOC 384 (3) ___

Quantitative Analysis *(Analytical Chemistry)*
CHEM 325 (2) ___ CHEM 326 (2) ___

Instrumental Analysis
CHEM 404A (3; S) ___ CHEM 400A (3; F) ___

Inorganic Chemistry
CHEM 404A (3; S) ___ CHEM 412 (3) ___

Physical Chemistry
CHEM 480A (3) ___ CHEM 400B (3; S) ___
CHEM 480B (3) or 481 (3; S) ___

**Core Electives** *(A list of options is available in the advisement report or course catalog. A maximum of 3 upper division units in research or preceptorship will apply to the Chemistry major. Only one course from BIOC 462B or BIOC 385 will satisfy this requirement.)*

Course or Lab (3) _____________________ ___
Course or Lab (3) _____________________ ___
Course, Lab, Research or Preceptorship (2) _____________________ ___

Note: Courses offered only in the Fall or Spring semesters are labeled with F or S.

*Some students may be required to take ENGL 106 prior to taking ENGL 107. If not, ENGL 107 and ENGL 108 will complete foundation composition requirements.*

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**TIER ONE COURSES:**

I. Individuals and Societies 150 *(6 units)*

II. Traditions and Cultures 160 *(6 units)*

**TIER TWO COURSES:**

I. Arts *(3 units)*

II. Humanities *(3 units)*

III. Individuals and Societies *(3 units)*

IV. Diversity Emphasis Requirement: One course must meet this requirement. It can be double-dipped with any Tier One or Tier Two course.

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