

ACADEMIC PLAN WITH GLOBAL TRACK

B.S. in Chemistry - UA Tarragona, Spain

FRESHMAN YEAR

FALL SEMESTER	UNITS
CHEM 151* (or CHEM 141/143*)	4
MATH 122A/B (or 125)	5(3)
ENGL 101	3
TIER 1	3
TOTAL	13-15

SPRING SEMESTER	UNITS
CHEM 152* (or CHEM 142/144*)	4
MATH 129	3
ENGL 102	3
TIER 1	3 (or 6)
TOTAL	13-16

SOPHOMORE YEAR *UA TARRAGONA*

FALL SEMESTER
Organic Chemistry I
Organic Chemistry Lab
Analytical Chemistry (F)
2nd Language or Chemistry Elective

SPRING SEMESTER
Organic Chemistry II
Advanced Organic Chemistry Lab
Biochemistry
Bridging Courses in Chemistry or 2nd Language

**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	UNITS
PHYS 141	2
CHEM 326*	2
CHEM Elective	3
TIER 1/2	3(3)
TOTAL	14-17

SPRING SEMESTER	UNITS
CHEM 401A*	3
CHEM 404A*	3
PHYS 241	3/2
TIER 2/Electives	3-9
TOTAL	12-18

SENIOR YEAR

FALL SEMESTER	UNITS
CHEM 480A*	3
CHEM 400A*	3
CHEM Elective	3/2
TIER 2/Electives	3-9
TOTAL	12-18

SPRING SEMESTER	UNITS
CHEM 480B* or 481*	3
CHEM 412*	3
CHEM 400B*	3
CHEM Elective*	3/2
Optional Elective	3
TOTAL	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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B.S. in Chemistry

Catalog Year 2021-2022

NAME _____ SID _____ DATE _____

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) _____

MCWA _____

II. Mathematics: Satisfied by math foundation courses.

III. Second Language (Second Semester Proficiency)

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.

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.

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) _____

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Chemistry
& Biochemistry



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