

CHEMISTRY

Requirements for the **CHEMISTRY B.S.** Degree

The Chemistry major provides a broad introduction for the biochemistry, organic, physical, or inorganic student as well as those who prefer not to specialize. This major will enable a student to pursue further studies in chemistry or in related fields of science, medicine, or engineering.

The following courses must be taken for a letter grade:

Lower-Division Requirements

1. General chemistry including laboratory (Chem. 6A-6C or 6AH-6CH and 6BL, or equivalent).
2. Calculus (Math. 20A-20D, or equivalent).
3. Calculus-based physics including laboratory (Phys. 2A-2B and 2D or equivalent, and either 2BL, 2CL or 2DL. Phys. 2CL is recommended and is accessible without Phys. 2C).

Upper-Division Requirements

1. Three quarters of organic chemistry (Chem. 140A-C or 141A-C).
2. Three quarters of physical chemistry (Chem. 131-133).
3. Two quarters of inorganic chemistry (Chem. 120A-120B).
4. One quarter of biochemistry (Chem. 114A).
5. Six laboratory courses (Chem. 100A, 143AM or 143A, 143B, 105A and two of the following: Chem. 100B, 105B, 112A, 112B, 123, 143C, or 143D).
6. Three additional four-unit upper-division or graduate courses in chemistry and biochemistry or related areas. One Chem. 195 or 199 may be petitioned.

Suggested Program for Chemistry B.S. Major

(Talk to your college for planning general education courses)

Many courses have enforced prerequisites or are offered once per year.

FALL	WINTER	SPRING
FRESHMAN YEAR		
Chem. 6A Math. 20A	Chem. 6B Math. 20B	Chem. 6C Chem. 6BL Math. 20C
SOPHOMORE YEAR		
Chem. 100A * Chem. 140A Math. 20D	Chem. 140B Chem. 143AM Phys. 2A	Chem. 140C Chem. 143B Phys. 2B
JUNIOR YEAR		
Chem. 120A * Chem. 131 Phys. 2D	Chem. 120B Chem. 132 Phys. 2CL	Chem. 105A Chem. 133
SENIOR YEAR		
Chem. 114A Elective Lab	Elective Lab Elective	Elective Elective

* Best time to study abroad. Education Abroad Program deadlines for upcoming year vary by country. See EAP website. See the Chem/Biochem Undergraduate Advisor for assistance in planning to study abroad.

RESOURCES

To be successful in your academic career, you will need to make the most of the services available to you at UCSD. Get connected to the services available to you as soon as possible to make the most of your education!

American Chemical Society-Student Affiliates

Email: acssa@ucsd.edu

www-ac.ucsds.edu/~acssa

UCSD Web Site: www.ucsd.edu

UCSD General Catalog

www.ucsd.edu/catalog

purchase at UCSD Bookstore, 858-534-7323

UCSD Career Services Center

858-534-3750, www-csc.ucsd.edu

UCSD Undergraduate Admissions

858-534-4831, admissions.ucsd.edu

Campus Walking Tours

858-822-1455, campustours@ucsd.edu

Education Abroad Program

858-534-1123

<http://pao.ucsd.edu/acadint/chemistry.htm>

Undergraduate Colleges

The colleges determine the general education requirements that you must complete in addition to your major requirements. Be sure to meet with a college adviser.

Thurgood Marshall, 858-534-4110,

www.provost.ucsd.edu/marshall

John Muir, 858-534-3580,

www.provost.ucsd.edu/muir

Revelle, 858-534-3490,

www.provost.ucsd.edu/revelle

Eleanor Roosevelt, 858-534-9864,

www.provost.ucsd.edu/roosevelt

Earl Warren, 858-534-4350,

www.provost.ucsd.edu/warren

Sixth College, 858-822-5955,

www-sixth.ucsd.edu