

MOLECULAR SYNTHESIS (CH36)

The Molecular Synthesis major offers a thorough training in all aspects of the molecular synthesis of organic, inorganic, and biological substances, along with a fundamental understanding of their structure and reactivity. This major provides an excellent preparation for employment in biotechnology, diagnostic, electronic, and pharmaceutical enterprises as well as for graduate programs in organic, bioorganic, and inorganic chemistry.

The plan below assumes completion of CHEM 6A, 6B, 6C, 7L, 40A, 40B, 40C, 43A, MATH 20A, 20B, 20C*, 20D*, and PHYS 2A, 2B, 2C* or 2D*, and 2BL* or 2CL* or 2DL* prior to transferring to UCSD.

We do not recommend taking a chemistry lab your first quarter at UCSD. Plan to take no more than one lab per quarter starting your second quarter.

LABS ARE BOLDED	Fall Quarter	Winter Quarter	Spring Quarter
YEAR ONE AT UCSD	CHEM 120A CHEM 152	CHEM 120B CHEM 126A CHEM 100A	CHEM 143B CHEM 126B MOL SYNTH ELECTIVE
YEAR TWO AT UCSD	CHEM 143C or 143D CHEM 114A	CHEM 105A CHEM 154 or 156	CHEM 123** CHEM 125 or 157 MOL SYNTH ELECTIVE

*Although these courses were not requirements for transferring to UCSD as a major in the Department of Chemistry and Biochemistry, it is recommended that they be completed prior to transferring in order to ensure a manageable 2-year course load.

**Seats in CHEM 123 are limited and saved for graduating CH36 seniors.