

UNIVERSITY OF CALIFORNIA, RIVERSIDE

Student Learning Outcomes for the B.A./B.S. in Chemistry

Learning Goal 1: Graduates will be able to master a broad set of **chemical knowledge** concerning the fundamentals in the basic areas of the discipline (assessed via DUCK exam).

Learning Goal 2: Graduates will be able to properly **perform hands-on laboratory experiments**, and appropriately record and analyze the results (assessed via upper division lab reports and oral presentations).

Learning Goal 3: Graduates will be able to **communicate** the concepts and results of their laboratory experiments through effective a) writing and b) oral communication skills (assessed via upper division lab reports and oral presentations).

Learning Goal 4: Graduates will be able to use **modern library search tools** to locate and retrieve scientific information about a topic, chemical, chemical technique, or an issue relating to chemistry (assessed by literature search assignment from Senior Seminar course).

Learning Goal 5: Graduates will know and **follow the proper procedures and regulations for safe handling and use of chemicals** (assessed via successful completion of online lab safety training).

Program Website: <https://chem.ucr.edu/>