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/