

UNIVERSITY OF CALIFORNIA, RIVERSIDE

Student Learning Outcomes for the B.S. in Chemical Engineering

Students completing the B.S. major will have:

1. ability to apply mathematics
2. ability to apply science
3. ability to apply engineering principles
4. ability to design experiments
5. ability to conduct experiments
6. ability to analyze and interpret data
7. ability to design a system, component, or process to meet desired needs
8. ability to function on multidisciplinary teams
9. ability to identify, formulate, and solve engineering problems
10. understanding of professional responsibility
11. understanding of ethical responsibility
12. ability to communicate effectively
13. the broad education necessary to understand the impact of engineering solutions in a global and societal context
14. recognition of the need for and ability to engage in life-long learning
15. knowledge of contemporary issues
16. ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

Program Website: <http://www.cee.ucr.edu/>