

UNIVERSITY OF CALIFORNIA, RIVERSIDE

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

Students completing the B.S. major will be able to:

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

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