UNIVERSITY OF CALIFORNIA, RIVERSIDE

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

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

1. apply knowledge of mathematics, science, and engineering
2. design and conduct experiments, as well as to analyze and interpret data
3. design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
4. function on multidisciplinary teams
5. identify, formulate, and solve engineering problems
6. have an understanding of professional and ethical responsibility
7. communicate effectively
8. have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
9. recognize the need for, and an ability to engage in life-long learning
10. have a knowledge of contemporary issues
11. use the techniques, skills, and modern engineering tools necessary for engineering practice.

Program Website: http://www1.cs.ucr.edu/index.php