Computer Engineering Program
Assessment Plan for the MS Program

Program Learning Outcomes

Students awarded the MS in Computer Engineering by the of Computer Engineering Program at the University of California, Riverside, are expected to:

1. Have a good understanding of fundamental concepts of Computer Engineering, including: computer architecture, digital logic and hardware synthesis, operating systems, compilers, software systems, and software engineering.
2. Conduct independent work involving design, development and investigation.
3. Have a command of the English language that allows them to communicate their work effectively in writing.
4. Orally communicate technical concepts in their area of specialization, as well as in the topic of computer science at large.
5. Have the ability of earning their degree in a timely fashion, i.e., two years for full-time students.

Assessment of Learning Outcomes

The following assessment tools are used to evaluate the level to which the above learning outcomes have been achieved:

1. Grades in core courses and overall GPA [outcome 1].
2. MS student progress data through the program [outcome 1, 2].
3. MS project or MS thesis defense [outcome 2, 3, 4].
4. Publications in workshops, conferences, and journals (ranking of such venues, impact factors, and citation counts are widely available and may be used to fine tune this measure) [outcomes 2, 3].
5. Tracking of post-graduation career, further graduate study, and positions held [outcome 1,2,3 and 4].
6. Tracking of the fraction of students that (a) complete eight or more courses in their first year, (b) choose a topic for the project or thesis prior to the beginning of their second year (c) complete their project or thesis by the end of their second year [outcome 5].