

# University of California, Irvine

## Master of Science in Information and Computer Science with a Concentration in Embedded Systems

*offered in part in Naples, Italy*



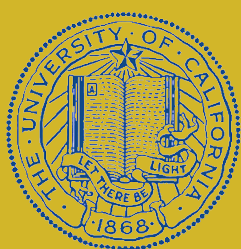
University of California Irvine offers a Master of Science (M.S.) degree program in Information and Computer Science with a concentration in Embedded Systems. The goal of the program is to prepare students for challenges in developing future embedded systems. These future systems will further integrate communications, multimedia, and advanced processors with complex embedded and real-time software for automotive, medical, telecommunications, and many other application domains. Furthermore, embedded systems are becoming parallel, deploying multiprocessor systems-on-a-chip and parallel application software. An in-depth knowledge of the underlying scientific and engineering principles is required to understand these advances and to productively contribute to development of such systems. This program helps students master embedded system fundamentals, advanced computer architecture and compilers, networking, security, embedded, parallel and distributed software, and computer graphics in a sequence of courses and labs. Students also complete a large embedded systems project and a Master's thesis.

This program is now offered jointly with the CNR Istituto di Cibernetica "E. Caianiello" (ICIB) in Italy.

More information are available at: <http://ms-es.cib.na.cnr.it>

- » Receive a US Master of Science degree from one of the best public universities in the USA: the University of California (Irvine).
- » Learn about both Parallel and Embedded Systems, which are converging to form an exciting new domain, in courses offered by the UC Irvine faculty.
- » Study for two five-week sessions in the United States at the University of California, Irvine during the summer and for three quarters in Naples, Italy.
- » Improve your English, including technical English.
- » Work on state-of-the-art research projects that lead to a thesis. Students can work on research projects on topics of interest to their employers.
- » Coursework in this program earns full credit towards a Ph.D. degree at UC Irvine or may be applied towards a Ph.D. degree at other US universities.
- » Obtain an advanced degree at a very reasonable cost in as little as 15 months (five quarters), on a part-time basis, while working in Europe.
- » Student grants may be available through ICIB in Italy.
- » Work with researchers at the world-renowned Center for Embedded Systems at UC Irvine on joint research projects.
- » The Istituto di Cibernetica is one of the oldest research institutes of the National Research Council of Italy with a long history in interdisciplinary studies.
- » Irvine is one of the safest cities in the US located within easy reach of Los Angeles, Hollywood, Beverly Hills, and San Diego. There are mountains, deserts, and some of the best swimming and surfing beaches in California within easy reach.
- » Naples has a rich history and culture dating back to the ancient Greek and Roman civilizations. The area has a very mild Mediterranean climate and offers wonderful sights within an hour's drive, such as the Amalfi Coast, the Vesuvius, Pompei, Sorrento and the island of Capri.

**A program offered jointly by:**



Donald Bren School of  
Information and Computer Sciences  
University of California, Irvine  
USA



Istituto di Cibernetica "Eduardo Caianiello"  
Consiglio Nazionale delle Ricerche  
Naples, Italy