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 may choose to write a Master’s thesis.

See [http://ms-es.cib.na.cnr.it/](http://ms-es.cib.na.cnr.it/) for additional information
Send enquiries about this program to: msanders@ics.uci.edu

» Receive a US Master of Science degree from one of the best public universities in the USA: the University of California (Irvine), while studying in both the US and Italy.

» Complete the program in as little as five consecutive quarters (or as little as 13 months): two five-week summer sessions in the United States at the University of California Irvine and three quarters in Naples, Italy.

» Learn about culture and business practices in the European Union and be prepared to work in the global economy.

» US students can learn Italian, including business and technical Italian, and international students can improve their English, including technical English. Language courses may be taken in both the US and Italy at various levels.

» All courses are taught by University of California Irvine faculty.

» Work on state-of-the-art research and development projects as part of the program, including collaborative or internship projects with European or US high-technology companies. Faculty at the world-renowned Center for Embedded Systems at UC Irvine and at the Institute of Cybernetics in Italy will supervise research projects.

» Practical training is possible upon completion of the program at either California or European high-technology companies.

» Coursework in this program earns full credit towards a Ph.D. degree at UC Irvine or may apply towards a Ph.D. degree at other US universities.

» Program will start in the Summer of 2007 with a program fee of $5,250 per quarter.

» 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 travel, such as the Amalfi Coast, Mount Vesuvius, Pompeii, Sorento and the island of Capri.