Networked Systems

http://www.networkedsystems.uci.edu

The networked systems program provides education and research opportunities to M.S. and Ph.D. students in the areas of computer and telecommunication networks. Networked Systems include all types of systems that are networked, including the Internet, cell phone networks, cable television networks, telephone networks, and other emerging networks. Networked systems are inherently interdisciplinary, and as a result, the networked systems program spans traditional departmental boundaries.

The networked systems program unites the strengths of the Department of Computer Science within the Bren School of Information & Computer Sciences and the Department of Electrical Engineering and Computer Science within the Samueli School of Engineering, and provides integrated M.S. and Ph.D. degrees in networked systems.

DEGREES OFFERED

M.S. & Ph.D.

HIGHLIGHTS

- Interdisciplinary environment
- Top rated by academic analytics
- Excellent record of placing graduates
- Great location and connections to industry

ADMISSION

Prospective graduate students apply directly to the networked systems program, specifying the M.S. or Ph.D. degree goal. Applicants who do not hold a bachelor's degree in computer science, computer engineering or electrical engineering may be required to take supplementary coursework to obtain and demonstrate sufficient background in the field.

Applicants are evaluated based on their prior academic record and their potential for creative research and teaching, as demonstrated in their application materials including university transcripts, letters of recommendation, GRE test scores and a statement of purpose.

RESEARCH FOCUS AREAS

- Network Architecture and Protocols
- Network Security
- Multimedia Protocols
- Middleware
- Wireless Networks
- Mobile Systems
- Internet of Things
- Network Embedded Systems
- Net Neutrality
- Network Privacy

PROGRAM REQUIREMENTS

The graduate program in networked systems includes core, breadth and concentration courses. Core courses are taken by all networked systems students and form a foundation for networking topics. Breadth courses may be selected from computer science & engineering courses (including cryptography, databases, algorithms and probability) and from management and applications of technology (including security and privacy, social impact and network theory). Concentration courses may be selected from courses in networks, performance, middleware and communications.