The graduate program in networked systems is administered by faculty from two academic units: the Department of Computer Science in the Donald Bren School of Information and Computer Sciences, and the Department of Electrical Engineering and Computer Science in the Samueli School of Engineering. The program provides education and research opportunities in the areas of computer and telecommunication networks.

Networked systems include telephone, cable TV, wireless, mobile, ad hoc and cellular, as well as the internet. Networked systems, as a field, is inherently interdisciplinary since it combines technology in software, hardware and communications. As a result, it transcends traditional departmental boundaries.

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

RESEARCH FOCUS AREAS
• Network Architecture and Protocols
• Network Theory
• Wireless Networks
• Distributed Systems, Embedded Systems and Big Data

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 technical courses (including distributed systems, algorithms, data structures, operating systems, databases, random processes and linear systems) and management and applications of technology (including educational technology, management of information technology and social impact). Concentration courses may be selected from a long list including courses on networks, performance, middleware, communications, and operations research.