

# COMPUTER & SYSTEMS ENGINEERING

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## DESIGNING THE DIGITAL SYSTEMS OF TOMORROW

## WHAT IS COMPUTER & SYSTEMS ENGINEERING?

Computer & systems engineering is an interdisciplinary program that provides specialization in computer engineering. Graduates of the computer & systems engineering program will be prepared to design state-of-the-art hardware and software systems that include computing, communications and networking, control functions, sensing, signal processing and much more.

## WHY THE UNIVERSITY OF HOUSTON?

Computer & systems engineering graduate students at the University of Houston have the opportunity to work with and learn from faculty recognized as world leaders in their fields. These include Fellows of the IEEE and the National Academy of Inventors, multiple winners of the National Science Foundation (NSF) CAREER Awards, and investigators in major research projects supported by NASA, the Defense Advanced Research Projects Agency, the National Institutes of Health, the Advanced Research Projects Agency - Energy and the NSF.

Graduate students can also take full advantage of the college's location in Houston. Many department researchers work closely with firms in the energy industry, allowing them to address the sector's most pressing needs. Faculty also have ongoing collaborations with physicians and researchers at Texas Medical Center institutions, enabling them to bring advances from the lab to the clinic as quickly as possible.

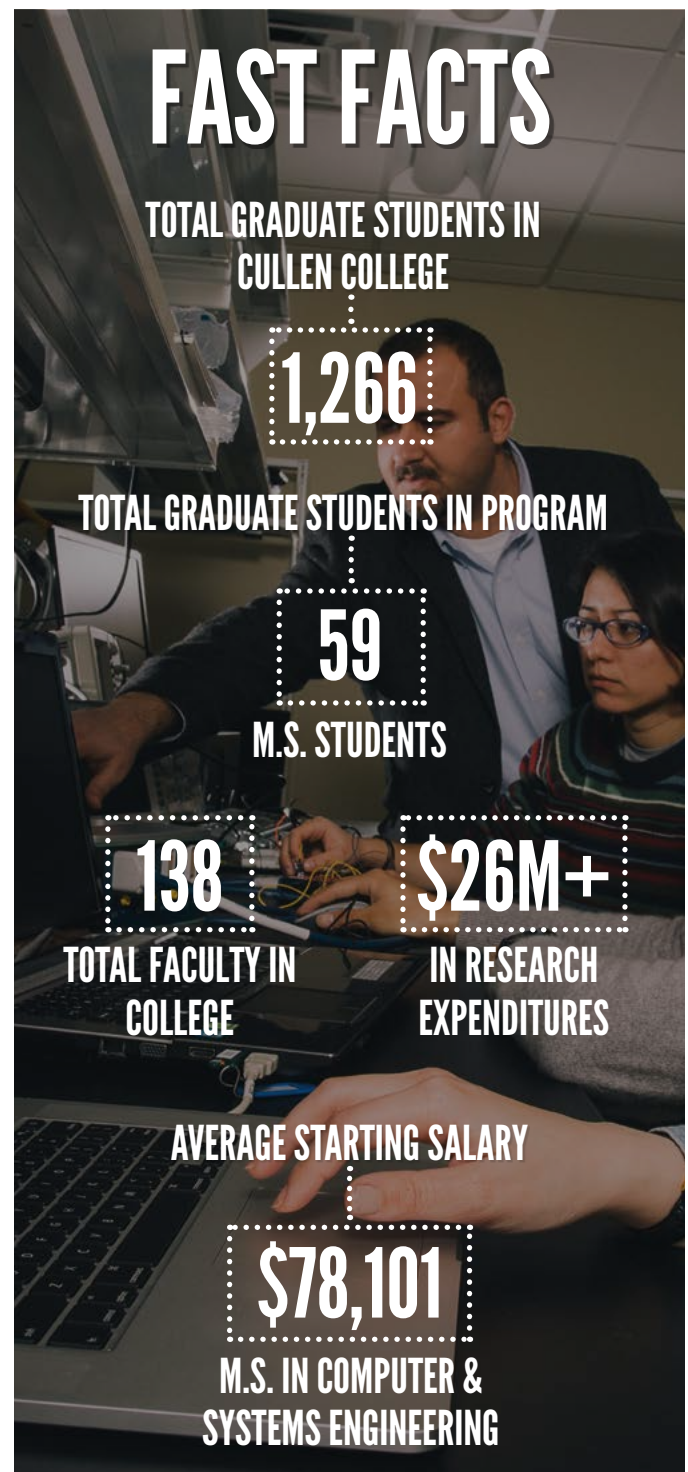
## WHAT CAN I DO WITH A COMPUTER & SYSTEMS ENGINEERING GRADUATE DEGREE?

Computer engineers design and maintain hardware and software in computer-based systems, from PCs to supercomputers, as well as computer systems that are embedded in vehicles, appliances and communications networks. Specialized areas in computer engineering include system architecture, computer chip design, layout design, package/board design and system integration. Alumni of the computer & systems graduate program work locally and overseas for Halliburton, Schlumberger, Hewlett Packard, CenterPoint Energy, Burns & McDonnell, as well as other medical, telecommunications, construction and petrochemical companies.

A 2017 salary survey produced by the National Association of Colleges and Employers found that new graduates with an M.S. in computer engineering earn an average starting salary of \$78,101.

## WHAT TYPES OF GRADUATE DEGREES DO YOU OFFER IN COMPUTER & SYSTEMS ENGINEERING?

The UH Cullen College of Engineering offers an M.S. degree in computer & systems engineering.



## FOR MORE INFORMATION

For more information on eligibility and admissions requirements, please visit [www.ece.uh.edu/graduate/degree-programs](http://www.ece.uh.edu/graduate/degree-programs)