



# COLUMBIA | ENGINEERING

The Fu Foundation School of Engineering and Applied Science



Department of

# COMPUTER SCIENCE

## APPLICATION DEADLINES

Fall Admission (September start):  
M.S. .... February 15  
Doctoral Programs..... December 15

Spring Admission (January start):  
All Programs ..... October 1

“Think of any aspect of modern life, and it has likely benefited from computers. By studying computations we can have an impact any-where... from engineering to the arts, from social networks to healthcare, from smarter cities to ourter space.”

—Prof. Eitan Grinspun

### Department of Computer Science

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1214 Amsterdam Avenue  
Mailcode: 0401  
New York, NY 10027-7003

### QUESTIONS?

Phone: +1-212-939-7000  
[seasgradmit@columbia.edu](mailto:seasgradmit@columbia.edu)



## M.S. IN COMPUTER SCIENCE

The program provides a unique opportunity to develop leading-edge in-depth knowledge of specific computer science disciplines.

Every M.S. student completes a 12-credit core requirement, taking four courses from six options, and completes an 18-credit concentration track. Students can choose one of the following tracks:

- Computational Biology
- Computer Security
- Foundations of Computer Science
- Machine Learning
- Natural Language Processing
- Network Systems
- Software Systems
- Vision and Graphics
- Personalized Track
- Thesis Track

Please visit the following address for more details:  
[www.cs.columbia.edu/education/ms](http://www.cs.columbia.edu/education/ms)



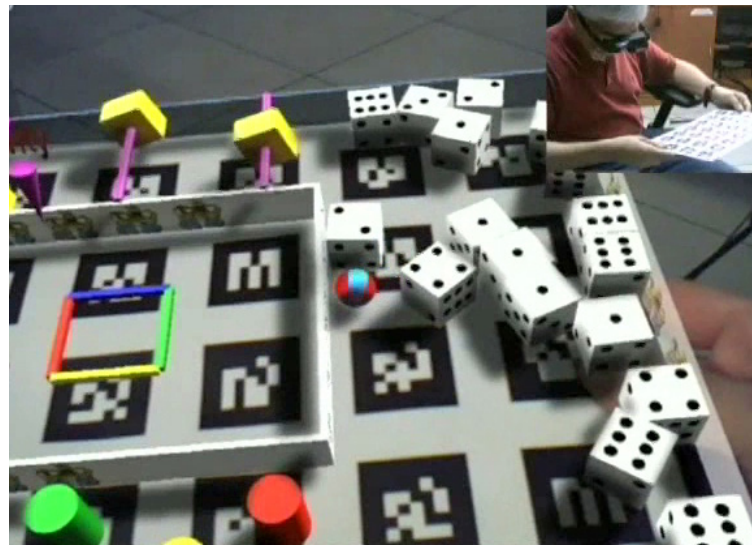
## M.S. IN COMPUTER ENGINEERING

(Joint program administered through the Electrical Engineering department.)

The Computer Engineering program combines the best of electrical engineering and computer science. Students learn the fundamentals of circuits, systems, and software associated with the design of programmable systems used for general purpose computing, communications, control, and signal processing.

This degree requires at least 30 points of courses at Columbia University at or above the 4000 level. Students taking this track select at least 15 credits from the core course list. At least six credits must be from each department.

Additional information can be found at:  
[www.compeng.columbia.edu](http://www.compeng.columbia.edu)



## DUAL M.S. IN JOURNALISM AND COMPUTER SCIENCE

This dual degree program is designed to provide students with skills in Computer Science and Journalism to prepare them for new digital-media oriented careers in journalism. Students will earn Master's degrees in Computer Science and in Journalism.

Students will enroll for a total of four semesters. In addition to taking regular classes at the Journalism and Engineering schools, students will attend a seminar and workshop designed specifically for the dual degree program.

Possible career paths:

- Online editor or Manager of Information Technology at a news organization
- Data-mining expert for journalistic applications and investigative journalism
- Entrepreneur/founder of media startup

Please visit the following address for more details:  
[www.cs.columbia.edu/education/ms/journalism](http://www.cs.columbia.edu/education/ms/journalism)



FOR MORE INFORMATION, VISIT:

[www.cs.columbia.edu](http://www.cs.columbia.edu)