

INFORMATION SCIENCE & ENGINEERING ONLINE SUMMER SCHOOL PROGRAM JULY 12- JULY 31, 2020



UNIVERSITY OF ILLINOIS

School of Information Sciences
#1 Undergraduate Program

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Department of Computer Science
#3 Undergraduate Program

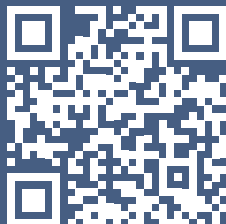
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*U.S. News & World Report,
2018-2019 Rankings*

APPLY HERE

**PRIORITY
DEADLINE:**

JUNE 1



PROGRAM OVERVIEW

This program offers students a window into multifaceted theories and methods in computer science, mathematics, and engineering.

Our faculty will introduce their expertise in Machine Learning Creativity, and Dynamic Systems Control in a live online classroom space.

- All classes in English
- 32 hours of engagement
- Small class sizes: All classes have maximum enrollment of 30 students
- Final exam or presentation required
- Certificates awarded upon completion
- Course times 8:00 a.m. - 11:00 a.m. local China time

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**SRINIVASA
SALAPAKA**

*Department of
Mechanical Science
and Engineering*



PRASHANT MEHTA

*Department of
Mechanical Science
and Engineering*



**WADE FAGEN-
ULMSCHNEIDER,**

*Department of
Computer Science*

Dynamic Systems Control (12 hours)

Each three-hour class session will include faculty lectures on course topics with live working examples and problems, project simulation, and student activities.

Prerequisites:

- Beginner's level knowledge of Matlab
- Strong math background
- Familiarity with differential equations

Machine Learning Creativity (12 hours)

This is a project-driven course at the intersection of Machine Learning (ML), data science, and creativity. Each three-hour class session will contain detailed pre-lecture materials, so you'll be prepared for insightful lectures, discussions, and both independent and group-based activities.

Guest Speakers (8 hours)

TECHNOLOGY REQUIREMENTS

Access to Wifi, Matlab, Python & Simulink software

Device (computer, laptop, tablet) suitable for online videoconference sessions

Participants may connect to the class sessions from their own home or another location with Wi-Fi, such as a university office

ONLINE COURSE FORMAT

Courses will be conducted through synchronous live videoconference classes. Students will complete independent and group coursework assignments, and participate in group discussion during the live sessions.

Videoconference classes will be conducted using Zoom and using the University of Illinois' course management system.

PROGRAM FEES

**TOTAL PER STUDENT:
\$1500.00**

Cost is for 3 weeks online program.

Program fees include tuition for development and instruction of online courses; assessment (grading) of participant course performance; online Learning Management System and videoconference system license; and university technology support fees