



# INTRODUCTION TO ENGINEERING AT MIT

## COURSE INFOSHEET

### PROGRAM HIGHLIGHTS:

- This highly anticipated course will be held on the campus of MIT, offering students inside access to some of the most important engineering labs in the world!
- Learn about Fundamentals of Engineering through hands-on projects and simulations
- Introduction to MATLAB computer programming, the pioneering computational programming language in science and technology, that is used in most science and engineering university courses
- Learn from professionals in the field about the latest advancements in engineering and technology

### ACADEMIC PROGRAM OVERVIEW:

Students will have the opportunity to deep dive multiple types of engineering on this program. Starting with the basics of computer programming and moving to the introduction of engineering concepts and practices through various hands-on projects and simulations throughout differing engineering fields.

### CAMPUS LOCATION & DATES

#### BOSTON

June 26 - July 08, 2022  
July 10 - July 22, 2022

### A DAY IN THE LIFE OF A SUMMER SPRINGBOARD STUDENT

CAMPUS BASED - TYPICAL WEEKDAY SCHEDULE

8:00am  
Breakfast

9:00am - Noon  
Academic Course

1:30pm - 3:00pm | Academic  
Excursion or Recreational Activity

Noon | Lunch

3:30pm - 5:00pm  
Enrichment Elective

5:00pm | Commuter  
Students Depart

7:00pm  
Evening Activities

6:00pm | Dinner

8:00pm | Extended  
Commuter Students Depart

10:30pm | RA Check-in

Utilizing an experiential approach, students can efficiently engage in these varying topics, the instructor will introduce the underlying theory and concepts to allow for students to creatively think on and design their own prototypes. Each course is limited to a maximum of 15 students.

## **GUEST SPEAKERS AND EXCURSIONS:**

This past summer, students had a first-hand look at the construction site of Winthrop Center in Boston, the world's largest Passive House office center in the world. Our students also visited the Mechanical, Civil and Aeronautical Engineering labs at San Diego State University. Previous excursions included a visit to industrial engineering firm Stantec where Students spent time reviewing "pull schedules" that allow the orchestra of fields to come together to create a masterpiece – the new UCSF cancer center. Students have also previously visited Luchs Consulting, founded in 1948, a dynamic Connecticut licensed engineering and land surveying firm providing a full range of engineering services to federal, state, municipal, utility and private clients throughout New England.

## **INSTRUCTORS:**

We are thrilled to have two highly accomplished members of the MIT instructional staff (a pioneering lecturer and professor) teaching these courses for our students. With extensive combined experience in artificial intelligence, robotics, computer vision, design and evaluation of devices for use in the developing world we are confident our students will be receiving an extremely informative and unique education during their time here.

## **TUITION RATES\***

### **Residential Students: \$4,998**

Includes: all meals, lodging, excursions, Academic Course, weekend excursions; Excludes: optional airport pickup/drop off service (available for additional fee)

### **Commuter Students: \$2,798**

Includes: lunch, academic course, excursions, programming from 9am to 5pm, Monday-Friday; Excludes: lodging, breakfast, dinner, weekend excursions

### **Extended Commuter Students: \$3,398**

Includes: lunch, dinner, excursions, academic course, programming from 9am to 8pm, weekend excursions;

Excludes: lodging, breakfast

## **TUITION SUPPLEMENTS:**

- Application fee: \$99 (mandatory, non-refundable)
- Group airport transfers: \$95 each way. Transfers outside of the official group pick-up and drop-off time window are \$195 each way (optional)
- Unaccompanied minor transportation: \$50 additional fee each way (if using airport transfer)

\*December 31, 2021 Tuition will increase to: \$5,198 (Residential); \$2,998 (Commuter); \$3,598 (Extended Commuter)