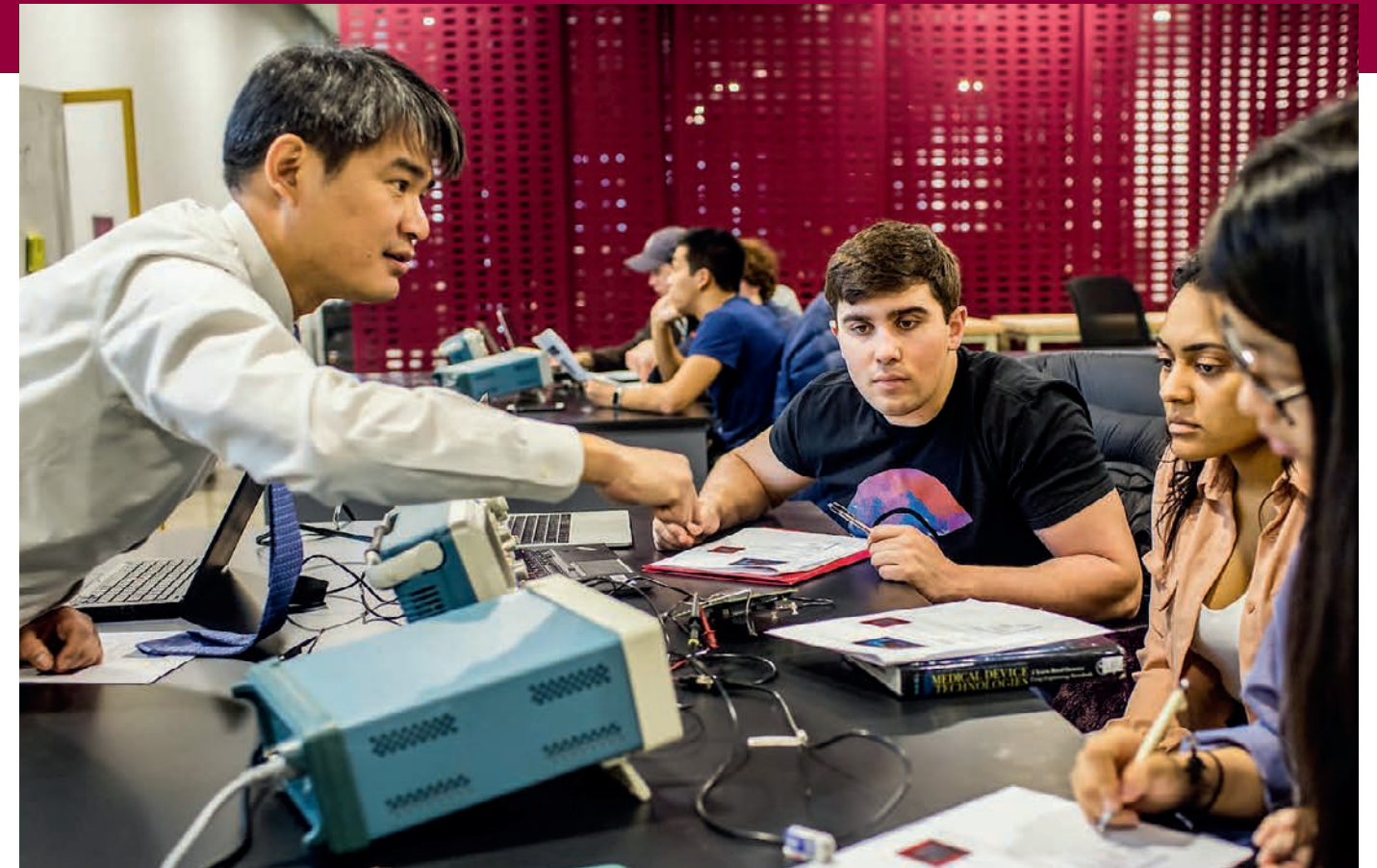




THE LOYOLA EXPERIENCE

LOYOLA UNIVERSITY CHICAGO



OUR MISSION

We are Chicago's Jesuit, Catholic University—
a diverse community seeking God in all things and working to expand knowledge
in the service of humanity through learning, justice, and faith.

UNDERGRADUATE ADMISSION OFFICE

Lake Shore Campus • 1032 W. Sheridan Road • Chicago, IL 60660
800.262.2373 • LUC.edu/undergrad

ENGINEERING SCIENCE DEPARTMENT

LAKE SHORE CAMPUS
1032 W. Sheridan Road • Cuneo Hall 320 • Chicago, IL 60660

Loyola University Chicago admits students without regard to their race, color, sex, age, national or ethnic origin, religion, sexual orientation, ancestry, military discharge or status, marital status, parental status, or any other protected status. Otherwise qualified persons are not subject to discrimination on the basis of disability.

*Loyola is an equal opportunity educator and employer.
Information in this brochure is correct as of October 2019.*



Preparing people to lead extraordinary lives

COLLEGE OF ARTS AND SCIENCES ENGINEERING SCIENCE

SPECIALIZATIONS (BS)

As a student in the Engineering Science program, you will choose from one of three specializations. Each builds on earlier system theory, core engineering, and design courses, and is crafted to solve a social justice problem.

BIOMEDICAL ENGINEERING

Biomedical Engineers blend traditional engineering techniques with biological sciences and medicine to improve the quality of human health and life.

COMPUTER ENGINEERING

Computer Engineers conceive and develop the next wave of computing advances, innovations, and devices.

ENVIRONMENTAL ENGINEERING

Environmental Engineers apply engineering principles to design systems that maintain and improve the quality of our world's resources.

ENGINEERING SCIENCE



LEARN MORE

[LUC.edu/cas](https://luc.edu/cas)

[LUC.edu/majors](https://luc.edu/majors)

[LUC.edu/career](https://luc.edu/career)

DIRECTOR'S NOTE



Gail Baura, PhD

DIRECTOR, ENGINEERING SCIENCE



Our curriculum has been shaped by my industrial experience as a medical device executive and researcher and ABET experience as an Engineering Accreditation Commissioner and Program Evaluator, as well as by substantial feedback from members of our Industrial Advisory Board. As a result, you will gain current theoretical, practical, and hands-on knowledge that will prepare you to immediately make an impact as you begin your career, including:

- Practical experience (how devices are made/work)
- Great communication skills
- Overall systems perspective
- Knowledge of engineering codes and standards

What do students say?

[LUC.edu/engsci-video](https://luc.edu/engsci-video)

Solving problems

Engineers use their multidisciplinary knowledge and skills to craft practical solutions to some of humanity's most pressing issues. Our program cultivates diversity, inclusiveness, and persistence through an emphasis on social justice and student engagement. Through small class sizes and a project-based curriculum, you will be part of a close-knit community of future engineers.



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MAXIMUM
CLASS SIZE

HANDS-ON APPROACH

A different kind of classroom

In Loyola's Engineering Science program, there are never more than 24 students in a class. This opens the door for a minimal lecture curriculum, where you learn by doing and have frequent interaction with faculty. You'll grow through open-ended freshman and capstone design projects, service learning, and an individual project where you'll build a functional cardiograph over four semesters.

