



Spend your summer at NJIT!

EARLY COLLEGE PREPARATORY PROGRAMS SUMMER 2022

July 5, 2022 — July 29, 2022

Monday - Friday, 9:00 am - 3:30 pm

The Center for Pre-College Programs offers a series of summer programs for high-achieving students from post-4th to post-11th grades. These programs are designed to encourage and prepare students to succeed in the fields of science, technology, engineering and mathematics.

Tuition: \$1,400

(Plus a \$60 non-refundable application fee. Tuition includes lunch and academic materials)

Apply online at
www.njit.edu/precollege/early-college-preparatory-virtual-programs
Application Deadline: April 15, 2022

To be considered for admission, students must: 1) Maintain a B or better grade average 2) Be proficient or advanced proficient on their most recent standardized test and 3) participate in admission testing

Center for Pre-College Programs
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University Heights
Newark, New Jersey 07102-1982

Phone: 973-596-3550
njit.edu/precollege

INSPIRING YOUNG MINDS FOR COLLEGE ACCESS AND SUCCESS IN



SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM)

Program Offerings:

[Women in Engineering and Technology Initiative \(FEMME\)](#) for female students completing 4th-10th grade. FEMME encourages girls to choose careers in scientific and technological fields by providing them with opportunities to enhance their academic achievement, develop problem-solving and critical-thinking skills, and gain self-esteem and confidence.

[Environmental Science and Engineering Program \(ESEP\)](#) for students completing 4th grade. Students learn the importance of environmental concerns and the responsibility we all have to ensure a safe environment for future generations.

[Aeronautical Engineering Program \(AEP\)](#) for students completing 5th grade. AEP introduces students to the field of Aeronautical Engineering. Students learn how aviation improves lives economically, technologically and socially.

[Pre-Engineering Program \(PrEP\)](#) for students completing 6th grade. By studying roller coasters, bridges and manufacturing, students learn what engineers do and what it takes to become a practicing mechanical engineer.

[Explore Careers in Technology and Engineering \(ExCITE\)](#) for students completing 7th grade. Students learn that Civil Engineering projects apply energy principles to aspects of everyday life, such as power stations that provide electricity, plants that purify drinking water, roads we drive along and airports from which we fly.

[Chemical Engineering Program \(CHEM-ENG\)](#) for students completing 7th grade. Students learn to view the world through the lens of a chemical engineer to solve a wide range of problems and manufacture products.

[Introduction to Chemical, Industrial and Mechanical Engineering \(iChIME\)](#) for students completing 7th and 8th grades. Students increase their understanding of and participation in Chemical, Industrial and Mechanical Engineering.

[Biomedical Engineering \(BIO-MED\)](#) for students completing 8th grade. BIO-MED introduces students to the field of Biomedical Engineering, a discipline that advances knowledge in engineering, biology and medicine, and improves human health through cross-disciplinary activities that integrate engineering sciences, biomedical sciences and clinical practices.

[Intermediate Robotics \(iROBOTICS\)](#) for students completing 9th grade. Students learn, use, and apply robotics and information technology concepts through the programming and design of robots.

[Crime Scene Investion \(CSI\)](#) program for students completing 10th grade. Students will learn skills in fingerprinting, crime scene investigation and proper methods of evidence collection.

[Fundamentals of Physical Sciences \(FPS\)](#) for students completing 9th, 10th and 11th grades. FPS prepares students to take Chemistry or Physics in their high school during the upcoming school year.