



**PennState**  
College of Engineering

**ARCHITECTURAL  
ENGINEERING**

**SUMMER CAMP 2022**

# AEspiring Architectural Engineering

Curious about the design of high-rise apartments or want to learn more about how building design improvements can combat climate change and create sustainable living for the future? Wonder how light shapes each space you enter or how virtual reality and robots are transforming construction? AEspiring Architectural Engineering will provide campers with the opportunity to learn how building structures, lighting, acoustics, materials, and mechanical systems can create an inviting and livable environment through hands-on activities, projects, field trips, and panel discussions.

This five-day overnight camp invites high school students to explore both the artistic and technical aspects of buildings and architecture. Campers will work with world-renowned Penn State engineering faculty and graduate students conducting leading research in the design, construction, and operation of buildings, making them better places to live and work. Campers will visit the Lighting Lab to explore immersive environments that alter their perceptions of color, design their own sustainable houses after touring Penn State MorningStar Solar Home, create ventilation and air treatment systems for hospital rooms, and much more. Students will examine iconic Penn State buildings using their new engineering understanding. In the evenings, campers will experience Penn State campus life by staying overnight in residence halls, eating in dining halls, and enjoying excursions such as visiting the world-famous Berkey Creamery for ice cream.

[ae.psu.edu](http://ae.psu.edu)

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**Who:** Students entering 9th grade through graduating 12th graders

**When:** Sunday, June 19 at 6:00 p.m. to Friday, June 24 at noon ET

**Where:** Penn State University Park

**Cost:** \$1,050

**Register:** [bit.ly/ae-sc22](http://bit.ly/ae-sc22)

**For more information:**

Contact Maureen Kelliher at [mvk6178@psu.edu](mailto:mvk6178@psu.edu) or 814-865-6394.

