

2015

SUMMER ENGINEERING EXPERIENCE

for Students with Visual Impairments or Blindness July 19, 2015 – July 24, 2015

Explore the Grand Challenges of Engineering while living on the North Carolina State University Campus!

During this one-week residential camp, 12-15 students with visual impairments or blindness (VIB) will explore the Grand Challenges of Engineering through engaging hands-on activities at the Engineering Place at NC State University. Topics will include an introduction to the principles of engineering and a focus on the Grand Challenges including: providing access to clean water, engineering the tools of scientific discovery, making solar energy more economical, securing cyberspace, and engineering better medicines. Through these topics, students will further explore the fields of civil, aerospace, electrical, and biomedical engineering along with Computer Science. They will conclude the week with a group capstone design project. Throughout the week, students will live in a college dormitory, experience campus life alongside their undergraduate mentors, and become immersed in current research techniques at a world-class university.

GOALS

1. Students will gain science literacy through engaging hands-on projects and activities at a world-class College of Engineering.
2. Students will learn from camp counselors that are undergraduates with disabilities that are studying STEM fields.
3. Students will gain a deeper understanding of career opportunities in STEM fields.
4. Students will get a realistic preview of college while living on campus at a major university.

ELIGIBILITY

The 2015 Summer Engineering Experience is open to rising 10th, 11th and 12th grade students with VIB that are independent travelers, performing at or above grade level, and are potentially interested in careers in STEM. Registration is required.

APPLICATION AND REGISTRATION

To apply to come to camp, please complete the online form: <http://go.ncsu.edu/experience>

FEES

The cost of this one-week residential camp is \$100. Partial scholarships may be available.

IMPORTANT DATES:

- Registration opens: January 27
- Registration closes: March 27
- Notification of acceptance: April 3
- Students Arrive on Campus: Afternoon of Sunday, July 19
- Students Leave: Afternoon of Friday, July 24



**the
engineering
place**