

BioFORCE is a week-long residential STEM summer program of the National Center for Therapeutics Manufacturing at Texas A&M University that exposes high school students to the amazing process of how cutting-edge research and medical discoveries become new drugs and pharmaceutical treatments. **BioFORCE's** 3-year series of biotechnology-focused camps prepares students for college programs in engineering and science and helps them discover their potential to become a scientist who creates a blockbuster, life-saving medicine or an engineer who manufactures disease-eradicating vaccines!

BioFORCE I

Today's Medicine

June 18–22, 2017

Examine the drug development cycle and pharmaceutical production process, tour facilities that do cutting-edge medical research and pharmaceutical manufacturing, and perform a series of hands-on labs in bacterial transformation, production and purification. **Applicants must be currently enrolled in and complete the 9th grade by June 2, 2017.**

BioFORCE II

Tomorrow's Medicine

July 9–13, 2017

Learn about innovations in regenerative and personalized medicines and stem cell therapies, tour pharmaceutical companies and Texas A&M research labs, and perform a series of hands-on labs in antibody-based protein analysis. **Applicants must be currently enrolled in and complete the 10th grade by June 2, 2017.** Priority of selection will be given to previous BioFORCE participants.

BioFORCE III

My Role in the Future of Medicine

July 23–27, 2017

Identify educational pathways to careers in the biotech and pharmaceutical industries, meet with university admissions advisors, and perform a series of hands-on labs in cell culturing, plasmid isolation and quantification, and environmental monitoring. **Applicants must be currently enrolled in and complete the 11th grade by June 2, 2017.** Priority of selection will be given to previous BioFORCE participants.



The National Center for Therapeutics Manufacturing (NCTM) is an interdisciplinary education institution that provides multi-generational technical training and professional development programs for the biopharmaceutical and vaccine manufacturing industries. A member of the Texas A&M University System, the NCTM has created a diverse portfolio of curriculum that incorporates principles of engineering, health, and life sciences designed, developed, and delivered by industry-experienced instructors and academic subject matter experts.