BioFORCE is a residential STEM (Science, Technology, Engineering, and Mathematics) summer program of the National Center for Therapeutics Manufacturing that exposes high school students to the amazing process of how cutting-edge research and medical discoveries become new drugs and pharmaceutical treatments. BioFORCE 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 manufacturers disease-eradicating vaccines!

BioFORCE I  
*Today’s Medicine*

**June 19–23, 2016**
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 3, 2016.**

BioFORCE II  
*Tomorrow’s Medicine*

**July 10–14, 2016**
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 3, 2016.** Priority of selection will be given to previous BioFORCE participants.

BioFORCE III  
*My Role in the Future of Medicine*

**July 24–28, 2016**
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 3, 2016.** 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.

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