The National Center for Therapeutics Manufacturing Center’s (NCTM) workforce development mission is to provide multi-generational technical training and professional development programs to produce a highly skilled workforce for the vital U.S. and global biopharmaceutical and vaccine manufacturing industries. The NCTM houses well-appointed analytical and wet labs, cell culture suite, simulation software training laboratory, and fully-equipped cGMP training suite.

**NCTM Labs:**
- Analytical labs: One of the two 48-station wet labs functions as an analytical instructional lab, demonstrating in-process testing using modern analytical technology and techniques.
- Cell culture lab: The cell culture and tech laboratory suite allow valuable hands-on practice in the bioreactor control, process optimization and economics, and process development and scale-up of different cell cultures.

**CONTINUING EDUCATION**

Through NCTM, current pharmaceutical industry professionals can learn new skills to continue to meet the demands of the rapidly-changing field. Each of NCTM’s continuing education courses is developed and delivered by industry-experienced instructors and academic experts. Our curriculum incorporates principles of engineering and science in a variety of focus areas, including bioprocess equipment operations; process development, optimization and scale-up; monitoring, analysis and testing; GLP, GMP, and more.

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