
President's High Growth Job Training Initiative

Central Texas Biotechnology Employment-to-Education Model



Grant amount: \$920,495

Grantee: Temple College

Key partners: Central Texas Workforce Development Board and Centers, Scott & White Cancer Research Institute, Scott & White Memorial Hospital and Clinics, Cardiovascular Research, Central Texas Veterans Health Care System, Texas A&M University Health Science Center College of Medicine, Temple Health and Bioscience District, Temple Economic Development Corporation, Central Texas Tech Prep Consortium, and Tarleton State University-Central Texas

Leveraged amount: \$497,820 cash and \$18,300 in-kind

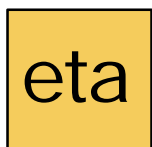
Location of Grant Activities: Bell and Coryell Counties, Texas

Challenge: The biotechnology industry in the region has expanded over the last four years and is projected to double in size over the next five years, adding 365 new scientist and technician positions. There is a strong need to increase the pipeline of workers entering the biotechnology field by accessing new and untapped labor pools to meet the needs of industry. At the same time, there is a challenge with the lack of well-defined skills sets and career ladders as well as sources of training for career in biotechnology.

Addressing the Challenge: Temple College will use its \$920,495 grant from ETA and \$516,120 in leveraged resources to address the above challenges by: 1) increasing the pipeline of displaced workers, transitioning military, high school students, and Limited English Proficiency (LEP) students entering biotechnology occupations; 2) increasing the skill levels of individuals through training; and 3) disseminating information about biotechnology career ladders and lattices to untapped labor pools. An evaluation of the feasibility of a stand-alone Advanced Technical Middle College for high school students wanting a technical certification or licensure will be conducted. Career ladders and lattices will be created and curricula developed and enhanced to create a biotechnology track designed around the career ladders and lattices in the biotechnology industry for Medical Laboratory, Biotechnology/Research, and Genomic Technicians. Finally, partner research laboratory institutions will provide opportunities for apprenticeships or on-the-job training skills needed to become research and genomic research technicians.

Projected Outcomes:

- 132 high school students; 230 downsized employees, 70 LEP students trained. Transitioning military also trained.
- At least 20 students placed from Biotechnology/Research Technician, Genomic Specialization Certificate and Apprenticeship Program;
- Three agreements will be reached to award degrees to students with two years community college plus two years of college experience.



EMPLOYMENT AND TRAINING ADMINISTRATION
UNITED STATES DEPARTMENT OF LABOR

*Biotechnology Industry Demonstration Grants
Announced on June 7, 2005*