**The Center for Biotechnology and Genomics** (<http://www.orgs.ttu.edu/biotechnologyandgenomics/>)

The Center for Biotechnology and Genomics is a collaborative, multidisciplinary center that provides instrumentation, research support, and training in various aspects of modern biotechnology and molecular biosciences. The core instrument facility and a teaching lab occupy more than 5,000 square feet in the Experimental Sciences Building.

The center offers a master’s of science degree in biotechnology, a two-year program administered by Texas Tech and the Texas Tech University Health Sciences Center (TTUHSC). The center also partners with the Texas Tech School of Law to offer a joint master’s and law degree.

The center is staffed by five full-time scientists with expertise in the following areas:

* protein purification, identification and quantitation
* mass spectrometry (of both proteins and metabolites)
* DNA characterization (including, but not limited to, DNA sequencing) DNA amplification, microarray scanning and quantitative PCR).
* Bioinformatic tools for analysis of genomic as well rroteomics data

The center offers instrumentation, support and training in:

* spectrophotometry
* protein purification, identification, and quantitation
* quantitative proteomics
* targeted metabolite analysis
* DNA applications
* functional genomics
* bioinformatics

The center also provides some consulting and technical resources to both established and startup companies located in the region. Some students in the master’s degree program serve one-year internships with private sector companies.