

# PROFESSIONAL SCIENCE MASTER'S IN BIOTECHNOLOGY

---

**Web Site:** <https://twu.edu/biotechnology/>

## Marketable Skills

Defined by the Texas Higher Education Coordinating Board's 60x30 Strategic Plan (<https://reportcenter.highered.texas.gov/agency-publication/miscellaneous/thecb-60x30-strategic-plan/>) as, "Those skills valued by employers that can be applied in a variety of work settings, including interpersonal, cognitive, and applied skills areas. These skills can be either primary or complementary to a major and are acquired by students through education, including curricular, co-curricular, and extracurricular activities."

1. Effectively articulate ideas on biological concepts via written communications and oral presentations.
2. Demonstrate critical thinking by using logic and reasoning to interpret scientific results.
3. Ability to design and conduct properly controlled experiments using modern scientific instruments and methods.
4. Effectively propose potential technical solutions to modern biological problems or human health challenges.
5. Integrate scientific knowledge and professional business concepts, principles, and ethics in the biotechnology sector.
6. Work collaboratively as part of a team to perform, analyze, and present scientific results and/or research outcomes.
7. Ability to understand research regulations and comply with all laboratory safety guidelines.