TARLETON STATE UNIVERSITY

Vision: Tarleton will be the premier comprehensive regional university in the nation, with a keen focus on student success, teaching, and research.

Mission: Tarleton State University, a founding member of The Texas A&M University System, transforms generations by inspiring discovery, leadership, and inclusion through educational excellence.

COLLEGE OF SCIENCE & MATHEMATICS

Mission Statement: The mission of the College of Science and Mathematics (COSM) at Tarleton State University is to provide innovative programs of excellence in education, research, and community & professional service at both the undergraduate and graduate levels. COSM prepares highly competitive graduates as judged by the highest academic standards in the fields of science, technology, and mathematics (STEM).

Vision Statement: The College endeavors to be recognized regionally and nationally as a leader for excellence and innovation in STEM education and research. The College of Science and Mathematics is dedicated to

1. offering students the educational experiences required to be successful in the STEM world,
2. empowering faculty to provide high quality, engaging learning opportunities for students, both in and outside of the classroom,
3. upholding the highest standards for treating all visitors, students, staff, and faculty with professionalism and respect,
4. recruiting, retaining, and graduating STEM students of diverse backgrounds.

Strategic Plan

Goal 1: Establish a dynamic, robust College through innovative, sustainable growth

Focus Area 1.1 Enrollment
    Objective 1.1.1: Increase undergraduate enrollment from 675 students in Fall 2020 to 1003 students by Fall 2025
    Objective 1.1.2: Increase graduate enrollment from 53 students in Fall 2020 to 136 graduate students by Fall 2025
    Objective 1.1.3: Increase STEM degrees awarded by COSM from 133 to 178 degrees by Fall 2025

Focus Area 1.2 Degree Programs
    Objective 1.2.1: Grow the number of COSM programs offered at the Ft. Worth Campus from 0 to 1 by 2023 and to 2 by 2025
    Objective 1.2.2: Implement at least 8 new degree programs by Fall 2025 (at least 3 master's and 5 bachelor's)

Focus Area 1.3 Retention
    Objective 1.3.1: Increase retention of FTIC cohorts to 75%
    Objective 1.3.2 Increase undergraduate 6-year graduation rates
    Objective 1.3.3 Increase graduate program graduation rate
    Objective 1.3.4 Analyze and monitor graduate retention rates

Focus Area 1.4 Development
Objective 1.4.1: Increase support for programs from gifts by 7% per year

Goal 2: Foster an environment of educational excellence, supported by the faculty and staff, to maximize student engagement, advance student research, and ensure equitable access.

Focus Area 2.1 Teaching
Objective 2.1.1: Increase faculty participation in high-impact teaching and learning practices (ACUE) to 100% by 2025.
Objective 2.1.2: Programs have access to technology appropriate for their academic discipline
Objective 2.1.3: Utilize Open Educational Resources in 90% of freshman courses for which quality OERs are available
Objective 2.1.4 College will ensure each program utilizes high impact practices, with a minimum of four signature practices in the College

Focus Area 2.2 Research
Objective 2.2.1 Increase by 10% per year the total number of publications until the College average of one publication per year per tenure-track faculty member is reached
Objective 2.2.2 Increase the number of faculty and student conference presentations by 7% per year.
Objective 2.2.3 At least 80% of the tenure-track faculty are engaged with students in research
Objective 2.2.4 Increase the number of annual external grant submittals by 10% per year
Objective 2.2.5 Increase the number of new external grants funded by 7% per year
Objective 2.2.6 Increase the three-year average of new external grant award dollars by 7% per year
Objective 2.2.7 Increase by10% per year the number of tenure-track faculty submitting an external grant or have an active external grant award as PI or co-PI until 50% of tenure-track faculty submit or have an active external grant as PI or co-PI

Focus Area 2.3 Student Success
Objective 2.3.1 Increase the number of undergraduate students participating in research by 7% per year
Objective 2.3.1: Analyze and monitor student engagement in high quality educational experiences (HIPs, ALE's, and civic engagement)

Focus Area 2.4 Diversity
Objective 2.4.1: Develop and implement retention strategies for undergraduate students from historically underrepresented groups by program
Objective 2.4.2: Implement a "grow your own instructors" program within master's degree programs.

Focus Area 2.5 Communication and Engagement
Objective 2.5.1: Establish processes and framework for effective communication with internal stakeholders
Objective 2.5.2: Establish processes and framework for effective communication with external stakeholders