

2025-2030 STEM STRATEGIC PLAN

The mission of the UNO STEM Priority is to enhance the quality of life for students, faculty, and the community by advancing excellence in STEM teaching, learning, and research.



Grow an engaged and connected campus-wide STEM community.

- 1.01 Propagate a human-centered culture and approach to STEM teaching, learning, and research.
- 1.02 Mobilize the STEM Leadership Team to design and implement pathways that facilitate interdisciplinary engagement opportunities for faculty and staff members.
- 1.03 Create and curate a hub to connect and assess the full range of UNO student success initiatives in the STEM disciplines.
- 1.04 Facilitate integration of evidence-based models for STEM teaching and learning.



Expand interdisciplinary STEM research and infrastructure.

- 2.01 Expand capacity to facilitate interdisciplinary grant funded research.
- 2.02 Design and develop infrastructure that facilitates interdisciplinary collaboration.
- 2.03 Leverage interdisciplinary expertise and synergies to create new intellectual property (IP) and innovations for the public good.
- 2.04 Elevate Discipline-Based Education Research (DBER) as a recognized research agenda that generates new knowledge about teaching and learning across STEM disciplines.



Maximize local and regional STEM networks to increase economic energy.

- 3.01 Cultivate and sustain authentic partnerships to advance access to STEM education and employment opportunities.
- 3.02 Partner with K-12 schools, business and industry, and nonprofit agencies to amplify STEM community assets and address needs.
- 3.03 Leverage the Omaha STEM Ecosystem to build the effectiveness of partnerships and programs.



Effectively measure and communicate campus and community STEM impacts.

- 4.01 Regularly share STEM programming information and outcomes to a broad campus and community audience.
- 4.02 Elevate opportunities among key audiences to build engagement and advance STEM priorities and programs.
- 4.03 Assess and refine STEM programs and initiatives to align with strategic priorities and ensure high-quality and effectiveness.

FOR MORE INFORMATION:

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