

Priority ONE: Grow an engaged and connected campuswide STEM community.			
Objective_Number	Objective	Metric(s)	Action_Steps
1.01	Propagate a <b>human-centered culture and approach</b> to STEM teaching, learning, and research.	* Number and kinds of groups and people involved in STEM projects and programs	* Audit current and potential campus groups and people involved in STEM projects and programs.
		* Number of faculty and units across colleges with submitted STEM proposals	* Centralize a list of current and potential STEM proposals and faculty and unites involved in submission.
		* Approaches adopted to center people in project kick-offs and implementation	* Create suggested pre-meeting approaches/protocols that center people and their talents and contributions in the agenda.
		* Number and results of Pre- / Post- surveys for projects, classes, grant teams to gauge perceptions	* Identify team members to audit current pre- and post- surveys and identify key perception metrics
1.02	Mobilize the <b>STEM Leadership Team</b> to design and implement pathways that facilitate interdisciplinary <b>engagement opportunities for faculty and staff members.</b>	* Number of people and departments represented	* Develop a contact list of current and potential SLT members * Determine number of people and departments represented on SLT * Identify additional units for inclusion on SLT
		* Scheduled conversations with established objectives	* Schedule an initial meeting with core SLT members * Develop communications and meeting schedules for 2025–2026
		* Attendance and participation in conversations/meetings	
		* Number and kinds of faculty and staff pathways for involvement with STEM projects / initiatives	* Create an agenda for a workshop with SLT to brainstorm potential pathways for STEM involvement * Identify information on STEM programs/initiatives and plan pre-work for the workshop
		* Participation rates and level of engagement with pathways	
1.03	Create and curate a <b>hub</b> to connect and assess the full range of <b>UNO student success initiatives in the STEM disciplines.</b>	* Creation of the hub	* Identify team members to create and sustain a hub for tracking student STEM success initiatives * Create an agenda for discussion of the needs and opportunities for the hub
		* Access frequency and perceived utility	* Gather team members to discuss and determine information to include and track in the hub * Identify and include STEM students in the development of the hub
1.04	Facilitate <b>integration of evidence-based models for STEM teaching and learning.</b>	* Track and measure level of engagement with STEM TRAIL Center resources	* Audit current impact surveys and tracking
		* Evaluate class perceptions and impact of spaces	* Implement IMPACT assessment consistently
		* Financial support, number, and kinds of professional development workshops in STEM	* Identify team members to collect and analyze assessments
		* Faculty and staff impacts via IMPACT assessment	* Audit STEM coursework across units and identify extent to which evidence-based teaching and learning models are implemented.

**Priority TWO: Expand interdisciplinary STEM research and infrastructure.**

Objective_Number	Objective	Metric(s)	Action_Steps
2.01	Expand capacity to facilitate <b>interdisciplinary grant funded research</b> .	* Number of people and departments represented involved in interdisciplinary proposals * Number of people involved in implementing grant funded projects	* Identify team members and location for tracking interdisciplinary grants/proposals and team members * Identify potential proposals for interdisciplinary teams
2.02	<b>Design and develop infrastructure</b> that facilitates interdisciplinary collaboration.	* Number and kinds of departments and faculty involved in collaborative projects * Funding for and opening of an interdisciplinary life science space * STEM TRAIL Center involvement in design and development of infrastructure improvement	* Identify high priority interdisciplinary infrastructure spaces * Identify potential fundraising partners and steps to initiate funding allocations
2.03	Leverage interdisciplinary expertise and synergies to <b>create new intellectual property (IP) and innovations</b> for the public good.	* Number of new innovations and IPs * Number of IPs and innovations submitted	* Task SLT with tracking IP/innovations * Identify potential IP opportunities for schools/units
2.04	Elevate <b>Discipline-Based Education Research (DBER)</b> as a recognized research agenda that generates new knowledge about teaching and learning across STEM disciplines.	* Number of DBER faculty and clusters * Engagement of DBER faculty * Number of proposals, publications, and awards for DBER related projects	* Audit current DBER faculty and clusters * Identify high needs contexts for DBER approach * Initiate collaboration and connections with DBER faculty * Identify potential research/papers for publication

**Priority THREE: Maximize local and regional STEM networks to increase economic energy.**

Objective_Number	Objective_v1	Metric(s)	Action_Steps
3.01	<b>Cultivate and sustain</b> authentic partnerships to <b>advance access</b> to STEM education and employment opportunities.	<ul style="list-style-type: none"> <li>* Numbers and kinds of partnerships</li> <li>* Engagement of partners</li> <li>* Frequency of interactions, depth, and satisfaction</li> <li>* Number of students in STEM majors, jobs</li> <li>* Areas/high schools represented in STEM programs</li> <li>* Number and quality of employment opportunities</li> <li>* Number of engaged alumni and events</li> </ul>	<ul style="list-style-type: none"> <li>* Audit and identify current partnerships</li> <li>* Create a stepwise plan for ongoing engagement with current partners</li> </ul>
3.02	<b>Partner with K-12 schools, business and industry, and nonprofit agencies to amplify STEM community assets and address needs.</b>	<ul style="list-style-type: none"> <li>* Number and type of partnerships with each lane of community organizations</li> <li>* Digital Youth Network outputs</li> <li>* Evaluate effectiveness of NSWERS and other measures/data</li> </ul>	<ul style="list-style-type: none"> <li>* Identify partnership gaps in K-12, industry, nonprofit</li> <li>* Identify team members to initiate and sustain partnerships around mutually beneficial initiatives/programs</li> </ul>
3.03	Leverage Omaha STEM Ecosystem to <b>build the effectiveness of partnerships and programs.</b>	<ul style="list-style-type: none"> <li>* Perceptions of and satisfaction with partnership</li> </ul>	<ul style="list-style-type: none"> <li>* Launch then leverage DYN and analyses</li> <li>* Create a feedback mechanism and process for current and future partnerships</li> </ul>

**Priority FOUR: Effectively measure and communicate campus and community STEM impacts.**

<b>Objective_Number</b>	<b>Objective</b>	<b>Metric(s)</b>	<b>Action_Steps</b>
<b>4.01</b>	Regularly <b>share STEM programming information and outcomes</b> to a broad campus and community audience.	* Number and modes of communications	* Identify current communications methods/opportunities
		* HubSpot statistics on subscribers, recipients, segments, open rates, etc.	* Segment populations for communications
		* Effectiveness of modes and content	
<b>4.02</b>	<b>Elevate opportunities among key audiences</b> to build engagement and advance STEM priorities and programs.	* Dissemination numbers and growth	* Identify team members to establish messaging strategies and opportunities
		* Engagement with STEM opportunities	* Create a cadence for disseminating communications and ensure alignment across modes
<b>4.03</b>	<b>Assess and refine STEM programs and initiatives</b> to align with strategic priorities and ensure high-quality and effectiveness.	* Audit evaluations across projects	* Identify key evaluation metrics to elevate
		* Evaluate project/program effectiveness	* Identify programs that lend themselves to evaluation
		* Analyze results	* Identify team members to evaluate and review programs and key impacts