Priority Area 4: Research and Community Engagement OWNER: Sandeep Gopalan

Liaisons - Dr. Yen Dang and Dr. Joyce Bell

Goal 4.1: Develop and strengthen infrastructure to develop research

Measure/Metric	2024-2026 Target	Benchmark	Proposed Strategies	Next Steps	Resources Needed
Total extramural R&D funding annually, number of training/professional development programs to support research by OSRP	Target: ≥ 1% increase in total extramural R&D funding annually through 2028.	Develop system for billing and salary support expenditures by 2025 Hire two OSRP personnel by 2025 Increased professional development and training opportunities for faculty by 2025 Offer two – three trainings on grant management best practices per academic year Review and revise policies for OSRP by 2026	Tracking measures for research Optimize billing/salary support expenditures for research programs Increase personnel needed to support research programs Professional development increase for research More training about how to manage grants Policy development for the office of research and sponsored programs	1) Review research & billing policies and procedures to determine if revisions are needed ; 2) Survey faculty to determine research/grants needs and develop trainings based on the survey outcomes	More personnel in OSRP (e.g. grant writer or budget tracker), hire company with expertise in training/professional development for research, more policies needed to support research (e.g. incentive plan, billing policies, etc.)

Goal 4.2: Align UMES research strengths with emerging national research priorities

Measure/Metric	2026-2028 Target	Benchmark	Proposed Strategies	Next Steps	Resources Needed
Annual percentage increase in R&D expenditures by USM institutions in priority research areas	Target: > 1% increase in total extramural R&D funding in priority areas annually through 2028.	OSRP will receive funding to conduct research on two national priorities by 2026	Identify national research priorities and how we are addressing them	Identify 3 top national priorities by 2026 and map how UMES is meeting these priorities	OSRP
		OSRP will collaborate with other USM institutions to develop research clusters that focus on emerging national priorities by 2026	develop research clusters (interprofessional based on national research priorities (research centers)	Identify leaders for each priority to lead the university in increasding R&D expenditures in priority areas	

Goal 4.3.: Promote technology transfer and commercialization of the UMES intellectual property.

Measure/Metric	2026-2028 Target	Benchmark	Proposed Strategies	Next Steps	Resources Needed
Number of patents and licenses/options annually	Increase the number of patents, licenses, and options	Identify number of patents, lic	Increase the number of patents and licenses	1) Identify faculty interested in patents/licenses options and areas of need	OSRP

		Create a workshop/training session for obtaining patents and license	2) OSRP will develop trainings and workshops for patents/licenses, and options		

Goal 4.4: Grow the number of research partnerships with industry, agencies, NGOs, international and academic institutions

Measure/Metric	2028-2030 Target	Benchmark	Proposed Strategies	Next Steps	Resources Needed
Percentage of annual USM R&D Expenditures not from federal, state, or local government sources	Target: ≥ the percentage of R&D expenditures coming from the non-governmental sectors in the prior year.	OSPR will expand partnerships with two non-governmental sectors by 2026 OSRP will increase their MOU and articulations agreements with non-governmental sectors by 2026 OSRP will work with a web designer to redesign the OSRP website by 2025 OSPR will develop and share an annual research report by 2025 with the campus community as well as the external research community	Expand and strengthen partnerships by joining professional organizations (MD dept of health, Microsoft, Princeton Univ) Establish MOUs and articulation agreements with external partners Website redesign (focused on research) Research report (annual report) sent to campus, community partners, other universities for people to understand research enterprise at UMES Increase advertising research projects currently available on campus	1) Identify R&D from non-federal, state, or local government sources and develop MOUs/articulation agreements with current sources; 2) Monthly updates of available non-government sources of funding by OSRP; 3) Hire personnel to redesign and manage research website and create annual report	Tracking to see what existing partnerships we have with non-government sectors as a baseline.

Goal 4.5: Diversify our R&D portfolio by securing basic and applied research funding from the private and government sector

Measure/Metric	2028-2030 Target	Benchmark	Proposed Strategies	Next Steps	Resources Needed

Percentage of annual USM research expenditures coming from the business and government	Target: ≥ the percentage of R&D expenditures coming from the Business and government sector in the prior year.	OSPR will expand partnerships with two governmental sectors by 2026 OSRP will increase their MOU and articulations agreements with governmental sectors by 2026 OSRP will work with a web designer to redesign the OSRP website by 2025 OSPR will develop and share an annual research report by 2025 with the campus community as well as the external research community	Expand and strengthen partnerships by advocacy and legislative priorities (earmark funds) by 2025 Establish MOUs and articulation agreements with external partners Website redesign (focused on research) Research report (annual report) sent to campus, community partners, other universities for people to understand research enterprise at UMES Increase advertising research projects currently available on campus	1) Identify sources of R&D research expenditures from business and government sectors; 2) Update faculty monthly about sources of business and government funding opportunities; 3) provide faculty training to secure research funding from private and government sectors	OSRP	
Goal 4.6 Expand community-based research to strengthen the communities						
Measure/Metric	**2026-2028 Target**	**Benchmark**	**Proposed Strategies**	**Next Steps**	**Resources Needed**	

| Total annual funding for community-based research | Target: ≥ the percentage of expenditures coming community-based research in the prior year. | OSRP will work with community partners to identify community needs and issues by 2025

☐ OSRP will identify funding sources to address community needs by 2025

☐ OSRP will provide opportunities for students to become informed and engaged with the community by 2026 | Outreach and leadership development (research needs in the community;program-based development)

☐ Educate students to be informed and engaged global citizens to be change agents in the community | 1) Engage community partners to determine research needs; 2) Identify and secure funding sources that will address identified research needs; 3) Provide opportunities for students to be engaged in community-based research | OSRP, Mr. Woods | |