

PRESIDENT'S REPORT

Office of Sponsored Programs (For detailed information, please visit: <https://www.shepherd.edu/osp>)

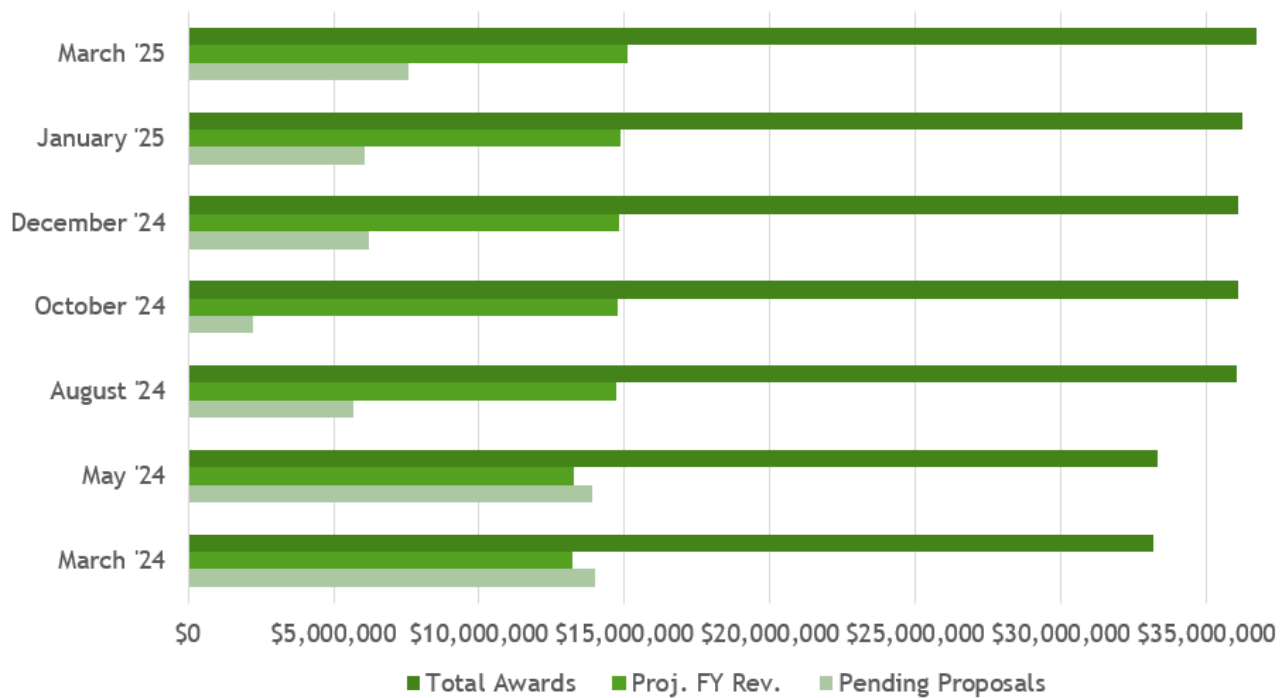
Pending Grant Proposals to Date: March 25, 2025

- Submitted and awaiting decision on award.
- Total FY2025 current pending proposals: \$7,559,191

FY2025 Active Grant Awards to Date: March 25, 2025

- Projected FY2025 revenue from active and closed grants: \$15,113,614
- Total current value of all FY2025 grants (active, awarded and/or closed): \$36,712,106

Grants Snapshot



ACTIVE GRANTS: Awarded and/or Implemented During this Fiscal Year

Fiscal Year: 2025, Month End: March

Total FY2025 projected revenue: \$15,113,614; Sum value of all current awards: \$36,712,106

HEPC - Higher Education Policy Commission, Nursing Program Expansion (NPE): \$306,000 for 1 year: January 30, 2025 - January 29, 2026: FY25: \$153,000

The Future of Nursing. The Future of You: Be a NURSE iii

This funding will build on the first and second phases of Shepherd's "The Future of Nursing. The Future of You." Program, aiming to retain and motivate both nursing faculty and nursing students. This project encourages clinical competency with an emphasis on simulation technology. Project Director: Dr. Laureen Donovan, Assistant Professor of Nursing.

CWBF - Claude Worthington Benedum Foundation Education Grants: \$172,756 for 2 years: September 20, 2025 - September 29, 2027: FY25: \$86,378

Shepherd University's Rising Leaders Program

Funding will support a program that builds on the existing, successful LEADS (Leadership. Education. Action. Development. Service) program for incoming freshmen, held in the week prior to their first Fall semester, as well as the 25-year-established Washington Gateway program. The Rising Leaders program will occur during the summers of 2026 - 2027 with a target audience of rising high school seniors. The program's goals are to increase undergraduate readiness for collegiate-level curriculum, financial decisions, and environmental/cultural shifts. Project Director: Julia Franks, Chief of Staff, Student Affairs.

NIH - National Institutes of Health, West Virginia IDEA Networks of Biomedical Research Excellence (INBRE): \$19,604 for 1 year: August 1, 2024 - July 31, 2025: FY25: \$14,757

WV INBRE Student Research at Shepherd University

Funds support the biomedical research of a Shepherd student under faculty mentorship, providing critical academic research opportunities at the undergraduate level. Project Director: Dr. Qing Wang, Professor of Computer Science and Mathematics.

EWVCF - Eastern West Virginia Community Foundation, Youth and Education (YE) Grant: \$5,000 for ~1 year: January 2, 2025 - September 2, 2025: FY25: \$5,000

Shepherd University Debate and Forensics Tournaments

Funding supports Shepherd's Debate Team's participation in two regional debate tournaments in the spring of 2025. Project Director: Aly Nazarok, Professor of Debate and Forensics.

WVDACH - West Virginia Department of Arts, Culture and Humanities, Living Traditions - Folk Arts (LTFA): \$5,000 for ~ 1 year: January 1, 2025 - June 30, 2025: FY25: \$5,000

Shepherd University - Masterworks Chorale's "Sprinkle Coal Dust on My Grave"

Funding supports the Masterworks Chorale performance in April 2025. Composed by Shepherd alum Walker Williams for the Masterworks Chorale, "Sprinkle Coal Dust on My Grave" is an oratorio that tells the history of the Mine Wars, leading up to the Battle of Blair Mountain. The texts include narration as well as texts from historical sources including speeches, witness testimony (from senate hearings in 1913 and 1921), song lyrics, and poetry. This will be the premiere performance. There is an educational partnership opportunity with area schools and Shepherd's Appalachian Studies Program. Project Director: Dr. Kurtis Adams, Dean for the College of Arts, Humanities, and Social Sciences.

WVPPEFF - West Virginia Posey Perry Emergency Food Fund: \$135,310 for 1 year: January 30, 2025 - June 30, 2025: FY25: \$30,000

Emergency Food Distribution for the Ram Food Pantry

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Funding supports meal kits, care packages, and hot meal service through the Ram Pantry and Dining Services for all Shepherd students and employees who are in need. Project Director: Dr. Jennifer Flora, Director, Suzanne Shipley Wellness Center.

WVHC - West Virginia Humanities Council Major Grants (MG): \$12,000 for ~1 year: March 1, 2025 - January 30, 2026: FY25: \$5,284

Appalachian Heritage Writer in Residence (AHWIR)

Funding supports the AHWIR at Shepherd. This year-long, statewide project, March 2025 to January 2026, of humanities programs, events, and scholarly projects utilizes the prestige, talent, and body of work of a significant Appalachian writer to better understand Appalachian culture, language, history, customs, and traditions. Clapsaddle's work extends beyond her fiction and includes essays on the importance and perseverance of local foodways ("Everything is Nuts") and contemporary Cherokee belonging in North Carolina ("Smoky Mountain Roots," "Where's the Reservation?"). Her varied output will serve as the basis for programming at Shepherd throughout the 2025/26 academic year. Project Director: Dr. Benjamin Bankhurst, Director for the Center of Appalachian Studies.

WVDHHR - West Virginia Department of Health and Human Resources, Title IV-E Child Welfare Curriculum Development and Implementation Project: \$294,489 for 1 year: July 1, 2024 - June 30, 2025: FY2025: \$294,489

Shepherd University Social Work Program 2023-24 Title IV-E Training Grant

Funding supports a collaborative effort with the public universities in West Virginia that have accredited social work programs to provide child welfare training and support training in foster care and adoption services for the DHHR Bureau for Children and Families (BCF) across 15 counties, with the goal of improving the Child Welfare workforce in West Virginia. Project Director: Dr. Craig Cline, Assistant Professor of Social Work.

WVBSS - West Virginia Bureau of Senior Services, Aging Well Grant Program: \$2,500 for 1 year: July 1, 2024 - June 30, 2025: FY2025: \$2,500

Aging Well Workshop

Funds will support Shepherd University's 5th annual Aging Well Workshop. This workshop is offered free to faculty, staff, students, and the community, with continuing education credits available to nurses and social workers for a \$25 fee. Topics covered will include wellness and caregiving, integrative medicine, nutrition, social isolation and the importance of community, cultural humility, and the science of aging well. The program is presented by the School of Nursing, Departments of Psychology and Social Work, and Lifelong Learning Program at Shepherd and funded by the West Virginia Bureau of Senior Services. Project Director: Dr. Heidi Dobish, Associate Professor of Psychology.

WVDE - West Virginia Department of Education: \$6,500 for ~2 years: December 12, 2023 - March 31, 2025; FY2025: \$6,407

WV Academic Showdown

This funding supports seven area high school teams for the 2023 West Virginia Academic Showdown. Project Director: Jack Shaw, Associate Vice President for Campus Services.

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SFF - Sherman Fairchild Foundation, Arts and Technology Grant (ATG): \$500,000 for 4 years: July 1, 2024 - June 30, 2028: FY2025: \$204,128

Shepherd University Interdisciplinary Media Hub

This funding will develop existing campus programs, including music, theater, communications, design programs, journalism, and sports communications, to help Shepherd students build not only their demonstrable skills within their academic concentration but also facilitate interdisciplinary and multimedia projects for their tangible work portfolios, resulting in improved post-graduate career acquisition. Project Director: Dr. Kurtis Adams, Dean for the College of Arts, Humanities, and Social Sciences. Co-Principal Investigator: David Modler, Chair, Department of Contemporary Art and Theater.

CWBF - Claude Worthington Benedum Foundation: \$150,000 for 2 years: May 1, 2024 - April 31, 2026: FY2025: \$75,000

Stubblefield Institute's Community Leadership & Civil Advocacy Certificate

Funding supports a 50-hour certificate program through the Stubblefield Institute for any college student looking to develop leadership and advocacy skills and competencies for effective civic engagement, especially collaborative problem-solving, navigating conflict, and building bridges across differences at work or in their community. Students will be offered the opportunity through partnerships with schools throughout West Virginia and southwestern Pennsylvania. This program brings intention, reflection, personal development, and community-building to the leadership journey. Participants will deepen their understanding of their local community resources, strengthen their confidence to engage in constructive dialogue across differences and gain knowledge and skills from leaders within the Institute, universities and colleges, community organizations, and the participant's local community. Project Director: Ashley Horst, Executive Director for the Stubblefield Institute.

NASA - National Aeronautics and Space Administration, Extension and Public Outreach Program (EPOC): \$10,000 for 1 year: October 1, 2024 - April 31, 2025: FY25: \$10,000

Seeding Your Future Initiative

Funding supports the Seeding Your Future Initiative (SYFI). The SYFI is composed of three outreach components: the Seeding Your Future Conference (SYFC), the Seeding Your Future Workshop Series (SYFWS), and the Seeding Your Future Grab-A-Lab (SYFGAL). The goal of the SYF is to offer regularly scheduled interactive opportunities in STEM (Science, Technology, Engineering, and Mathematics) that would be outside the normal classroom experience and to connect the participants with the STEM faculty and undergraduate students at Shepherd. The SYFGAL is a new outreach endeavor to help STEM further connect with the local elementary, middle, and high school science departments and students by creating individual labs in a box that the local teachers can check out for a period of time, take back to their classroom, run the lab as written or even experiment on their own, and return the box back to Shepherd for refilling supplies for the next teacher. The goal is to create 7-10 of these boxes each year and collect feedback from the teachers on the effectiveness of the materials in their classrooms. This grant would fund all outreach needs for SYFI for the 2024-2025 year. Project Director: Dr. Sytil Murphy, Associate Professor of Physics. Co-Project Directors: Dr. Jacquelyn Cole, Associate Professor and Chair, Chemistry Department; Dr. Lindsey Levitan, Associate Professor of Psychology; and Dr. Sara Reynolds, Assistant Professor of Biology.

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**NASA - National Aeronautics and Space Administration, Affiliate Awards: \$17,000 for 1 year:
October 1, 2024 - May 30, 2025: FY25: \$17,000**

Shepherd University's Space Grant Fellowships

Funds support 10 students working with Faculty Mentors across the various STEM (Science, Technology, Engineering, and Mathematics) disciplines. This work would be conducted in various laboratories such as Plant Biology, Neurosciences, Chemistry, Computer Sciences, Cybersecurity, Environmental Sciences, Ecology, Sustainable Agriculture, Aquaponics, Mathematics, Data Science, Immunology, Mycology, and Herpetology. Project Director: Dr. Courtney Company, Assistant Professor of Biology. Co-Project Director: Dr. Robert Warburton, Dean for the College of Science, Technology, Engineering, Mathematics and Nursing.

**HEPC - Higher Education Policy Commission, Science, Technology and Research (STaR):
\$18,282 for ~ 1 year: December 1, 2024 - June 30, 2025: FY25: \$18,282**

Equipment to Measure Soil Respiration and Light Radiation

Funding would support the purchase of a soil respirator and spectrometer, which provides the capability to measure fundamental ecosystem processes that enhance our sustainable agriculture, plant physiology, ecology courses and undergraduate-driven research. This instrumentation will vastly increase the student learning experience for courses in the Natural and Physical Sciences department by providing hands-on based exploration of a key process of both natural and managed ecosystems; and allow for expanded faculty research and data-driven outreach workshops. Project Director: Dr. Brooke Comer, Assistant Professor of Environmental Studies. Co-Project Directors: Dr. Courtney Company, Assistant Professor of Biology, and Dr. Peter Vila, Associate Professor of Environmental Studies.

**HEPC - Higher Education Policy Commission, First2 Network (F2): \$25,000 for 1 year:
September 1, 2024 - August 31, 2025: FY25: \$20,434**

Expansion of the First2 Network at Shepherd University

First2 Network funding for the academic year 2024-2025 builds upon the initial First2 award to further integrate Shepherd into the First2 Network to increase enrollment, retention, and graduation of students pursuing STEM (Science, Technology, Engineering, and Mathematics) majors that are first-generation college students, from families of limited financial means, and/or who are from traditionally underrepresented populations in STEM. Project Director: Dr. Sytil Murphy, Assistant Professor of Physics. Co-Principal Investigators: Dr. Jacquelyn Cole, Co-Chair, Department of Chemistry; and Dr. Robert Monahan, Assistant Professor of Mathematics.

HEPC - Higher Education Policy Commission, Growing International Education Exports (GIEE): \$5,000 for 1 year: June 1, 2024 - May 31, 2025: FY2025: \$4,602

International Student Recruitment

Funding supports Shepherd's International Affairs (IA) Office in crucial international recruitment. This funding enables participation in the EducationUSA Forum in Washington, DC, a hub for multicultural students and in close proximity to our campus in Shepherdstown, located in the Eastern Panhandle, and international student fairs in Canada. By targeting these strategically located events, IA intends to increase the global brand of Shepherd University and diversify the international student population while remaining cost-effective. Project Director: Emily Liu,

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Director for International Affairs.

HEPC - Higher Education Policy Commission, First2 Network (F2): \$20,000 for ~1 year:

February 19, 2024 - August 31, 2024: FY2025: \$6,392

Establishing the First2 Network at Shepherd University

First2 Network funding integrates Shepherd into the First2 Network to increase enrollment, retention, and graduation of students pursuing STEM (Science, Technology, Engineering, and Mathematics) majors who are first-generation college students, from families of limited financial means, and/or who are from traditionally underrepresented populations in STEM through data-driven methods. Project Director: Dr. Sytil Murphy, Assistant Professor of Physics. Co-Principal Investigator: Dr. Jacquelyn Cole, Co-Chair, Department of Chemistry.

HEPC - Higher Education Policy Commission, Deferred Maintenance Grant (DMG):

\$10,000,000 for 2 years: July 1, 2023 – November 5, 2025: FY2025: \$5,000,000

HVAC and Building Controls Systems and Electrical Upgrades

Funding supports the professional design, construction, equipment, and miscellaneous costs associated with HVAC and building controls systems and electrical upgrades for Shepherd's Dining Hall, Suzanne Shipley Wellness Center, Byrd Science and Technology Center, Student Center, Snyder Hall, and CCA I and II. Project Director: Dr. Scott Barton, Vice President for Finance and Administration.

HEPC - Higher Education Policy Commission, Deferred Maintenance Grant (DMG):

\$4,050,000 for 2 years: July 1, 2023 - November 5, 2025: FY2025: \$2,025,000

Roof, Gutter, and Masonry Replacements

Funding supports the professional design, construction, equipment, and miscellaneous costs associated with roof replacement, gutter replacement, and masonry updates for Shepherd's McMurrin Hall, White Hall, Facilities, Reynolds Hall, Human Resources Building, CCA, and Popodicon. Project Director: Dr. Scott Barton, Vice President for Finance and Administration.

HEPC - Higher Education Policy Commission, Collegiate Mental Health Program (CMH):

\$25,000 for ~1 year: August 15, 2023 - June 30, 2025; FY2025: \$13,321

CMH Policy Collaboration

Funding will support Shepherd's Counseling Services and Behavioral Intervention Team (BIT) to coordinate efforts with campus stakeholders, other West Virginia colleges and universities, national and state CMH organizations, and experts in the field to accumulate the necessary information to appropriately review, develop, and update policies and procedures to benefit the behavioral and emotional health and safety of students enrolled in higher education systems throughout West Virginia. Project Director: Wendy Baracka, Director of Counseling Services.

HEPC - Higher Education Policy Commission, Nursing Program Expansion (NPE): \$273,371 for 1 year: July 1, 2023 - September 30, 2024; FY2025: \$55,033

The FUTURE of YOU: Be a NURSE ii

This funding builds upon the first phase of Shepherd University's "The Future of You: Be A Nurse" program, aiming to retain and motivate both nursing instructors and nursing students at Shepherd University. Project Director: Dr. Laureen Donovan, Assistant Professor of Nursing.

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HEPC - Higher Education Policy Commission, Community and Technical College System (CTCS): \$30,000 for ~2 years: January 1, 2024 - June 30, 2025; FY2025: \$12,020

2024 West Virginia Student Leadership Conference

Funding is designated for the 2024 West Virginia Student Leadership Conference expenses. The West Virginia Student Leadership Conference is an event that is attended by student leaders representing Student Government Associations at West Virginia's colleges and universities, and their Student Government Association (SGA) Advisors. Project Director: Jack Shaw, Associate Vice President for Campus Services. Co-Principal Investigators: Holly Morgan Frye, Vice President for Student Affairs, Director of Community Relations; and Rachael Meads, Student Activities and Leadership, Assistant Director Student Engagement.

HEPC - Higher Education Policy Commission, Open Educational Resources (OER): \$7,000 for ~2 years: March 22, 2023 - December 31, 2024; FY2025: \$3,931

Student-Centered Innovation: Using OER to Increase Value for Students, Phase VI

Funds supported the creation and use of OER materials that were either in the public domain or released under a license that allowed them to be used, changed, or shared with others. Project Director: Dr. Jason Best, Assistant Vice President for Strategic Planning and Institutional Effectiveness, and Professor of Astronomy and Astrophysics. Project Team: Rhonda Donaldson, Associate Librarian; and Rachel Hally, Assistant Librarian.

HEPC - Higher Education Policy Commission, Open Educational Resources (OER): \$12,000 for ~2 years: March 22, 2023 - December 31, 2024; FY2025: \$12,000

Student-Centered Innovation: Using OER to Increase Value for Students, Phase V

Funds supported the creation and use of OER materials that were either in the public domain or released under a license that allowed them to be used, changed, or shared with others. Project Director: Dr. Jason Best, Assistant Vice President for Strategic Planning and Institutional Effectiveness, and Professor of Astronomy and Astrophysics. Project Team: Rhonda Donaldson, Associate Librarian; and Rachel Hally, Assistant Librarian.

MURC - Marshall University Research Corporation, Youth Empowerment and Beyond Program (YEB): \$7,000 for ~1 year: March 22, 2024 - August 9, 2024; FY2025: \$3,100

Serene Outdoor Space and Low Stimulation Area for Students

Funding will establish a serene outdoor space at Shepherd University dedicated to enhancing the mental well-being and social connectivity of our student body. This outdoor space will serve as a vital resource for students to recharge, practice mindfulness, and cultivate a deeper connection with nature, ultimately contributing to their overall mental wellness and academic success. In addition to the serene outdoor area, we intend to utilize the grant funds to enhance "The Well" on campus, creating a low-stimulation area for students seeking solace and support. "The Well" is a dedicated wellness room on campus designed to provide students with a calm space for nurturing their mental health. It serves as an indoor sanctuary where students can relax, recharge, and access support for their well-being. Project Director: Jacob Mellow, Dean of Students. Student Director: Katerina Ramirez Cubas.

WISH - Women Investing in Shepherd: \$26,750 for 3 years: September 18, 2024 - September

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17, 2027; FY2025: \$13,860

Accommodate Accessibility Software

Funding will provide critical accessibility software to support students, staff, and faculty. Project Director: Jessica Anders, Director of Accessibility Services.

WISH - Women Investing in Shepherd: \$26,750 for 3 years: September 18, 2024 - September 17, 2027; FY2025: \$13,860

Forensic Science Lab Classroom

Funding will support the upgrades necessary for the use of a laboratory space in which to teach Forensic Science. This space will allow for a new certificate and curriculum in Forensic Science to be developed and made available. Project Director: Dr. Jacquelyn Cole, Associate Professor and Chair, Chemistry Department.

WISH - Women Investing in Shepherd: \$26,750 for 3 years: September 18, 2024 - September 17, 2027; FY2025: \$13,860

Florence Shaw Demonstration Cottage "Little House" Remediation

Funding will pay for the safety remediation of the historical and beloved "Little House" on Princess Street. Updates will allow for the Little House to be fully utilized in experiential learning opportunities and community events alike. Project Director: Holly Morgan Frye, Vice President for Student Affairs, Director of Community Relations.

WISH - Women Investing in Shepherd: \$35,500 for 3 years: September 18, 2023 - September 17, 2026; FY2025: \$17,750

Child Advocacy Studies (CAST) Certificate Program

This funding will help to establish a CAST Certificate Program at Shepherd University. CAST, developed by the Zero Abuse Project, is an evidence-based, interdisciplinary, nine-credit-hour certificate program. The purpose of CAST is to enhance child welfare workforce readiness by developing students' understanding of factors that contribute to child maltreatment and the systems that respond to these situations. Through CAST, students learn about the importance of interprofessional responses to child abuse and neglect and develop the knowledge and skills necessary to advocate on behalf of children as victims and survivors of child maltreatment. Project Director: Dr. Craig Cline, Assistant Professor of Social Work.

WISH - Women Investing in Shepherd: \$35,500 for 3 years: September 18, 2023 - September 17, 2026; FY2025: \$17,750

Environmental and Physical Science Lab Updates

Funding will be used to update lab equipment and lab spaces used by the Department of Environmental and Physical Sciences. These updates will improve the experience of students within classes and the Environmental Science program, providing students with access to technological advancements, while also portraying Shepherd in a favorable light during community outreach events, such as Seeding Your Future. Project Director: Dr. Sytil Murphy, Associate Professor of Physics.

LOC WU - Library of Congress, Waynesburg University's Teaching with Primary Sources (WU TPS): \$21,240 for ~1 year: January 1, 2025 - September 30, 2025: FY25: \$14,702

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Almost Heaven: A Collection of Primary Sources to Teach WV History

Funding supports the development of a virtual West Virginia History Hub and conference component to attract and empower WV teachers to utilize the broad primary source catalog provided by the on-campus Byrd Center for Congressional History and Education and the Library of Congress. The Hub and conference would culminate in a body of knowledge from which WV teachers can source educational plans within the framework of WV history that meet Shepherd University faculty criteria for dissemination. Project Director: Dr. Jason Allen, Assistant Professor of Education. Co-Project Director: Dr. Ben Bankhurst, Director of Appalachian Studies.

HRSA - Health Resources and Services Administration, Advanced Nursing Education Workforce (ANew): \$2,599,992 for 4 years: July 1, 2023 - June 30, 2027; FY2025: \$649,998
WV REACH: Redesigning APRN (Advanced Practice Registered Nurse) Education with innovative Academic-clinical partnerships in rural/underserved Communities for primary care, substance use disorder care, and mental health services

Funding provides up to 26 scholarships and stipends per year for Doctor of Nursing Practice students as well as faculty stipends, and professional development activities to enhance the educational offerings and support the regional clinical training partnerships established in the prior round of funding. The ultimate goal of the program is to increase the number of nurse practitioner providers in rural West Virginia and to provide them with advanced training in the areas of substance abuse treatment and prevention, mental health, and maternal care. Project Director: Dr. Kelly Watson-Huffer, Associate Professor of Nursing.

NSF - National Science Foundation, Campus Cyberinfrastructure (CC): \$637,210 for 2 years: August 15, 2023 - January 31, 2026; FY2025: \$324,835
CC* Networking Infrastructure: Shepherd University Science

This project will deploy a new cyberinfrastructure dedicated to data-driven research, connect it to Research and Education (R&E) networks, make the new services available to campus researchers, and shape the evolution of the campus network core. A significant part of this effort will be dedicated to the existing Science Drivers, evaluating their research activities, and helping them utilize the new resources by migrating their cyberinfrastructures to the Science DMZ, which is a high-powered computer subnetwork. Principal Investigator: Joanie Raisovitch, Interim CIO/CISO. Co-Principal Investigators: Dr. Ben Martz, Dean for the College of Business, Recreation, and Education; and Dr. George Ray, Assistant Professor of Business.

NSF - National Science Foundation and the West Virginia Established Program to Stimulate Competitive Research (EPSCoR), Research Infrastructure Improvement (RII) Program
Track-1: \$945,458 for 5 years: June 1, 2023 - May 31, 2028; FY2025: \$188,988
RII Track-1: West Virginia Network for Functional Neuroscience and Transcriptomics (WV-NFNT)

Funding allows for the continued investigation into the neural development of the *Drosophila* (fruit fly species) brain. This grant creates opportunities for undergraduate students to learn genetic and imaging skills, conduct neuroscience research, and work in collaboration with West Virginia University and Marshall University. There will also be an increase in partnerships with local industries for students' career development, internships, and job opportunities while enhancing our regional alliances with businesses, industry, and government agencies. This project creates a

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neuroscience educational platform for K-12 students to use and a “Brain Camp” for high school juniors interested in learning about neuroscience. Principal Investigators: Dr. Conor Sipe, Assistant Professor of Biology. Co-Principal Investigators: Dr. Robert Warburton, Dean for the College of Science, Technology, Engineering, Mathematics, and Nursing; Dr. Qing Wang, Professor of Computer Science and Mathematics; and Dr. Jason Best, Assistant Vice President for Strategic Planning and Institutional Effectiveness, and Professor of Astronomy and Astrophysics.

NSF - National Science Foundation, Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM): \$1,499,993 for 6 years: October 15, 2021 - September 30, 2027; FY2025: \$251,607

Enhancing Academic Achievement and Career Preparation for Scholars in Computer Science, Mathematics, and Engineering

This program addresses the challenges facing low-income, academically talented students with demonstrated financial need seeking degrees in science, technology, engineering, and mathematics (STEM) disciplines. Funds provide scholarships and establish a coherent ecosystem of effective evidence-based practices. Additionally, the project assesses the effects of those practices and other factors on student success to generate knowledge about how institutions can create and strengthen learning environments for their scholars. Project Director: Dr. Qing Wang, Professor of Computer Science and Mathematics. Co-Directors: Dr. Osman Guizide, Associate Professor of Engineering; Dr. Karen Adams, Associate Professor of Mathematics; and Dr. Weidong Liao, Professor of Computer Science and Information Sciences. Evaluator: Dr. Amy DeWitt, Professor of Sociology and Assistant Dean, Student Academic Enrichment.

NSF - National Science Foundation, WV Established Program to Stimulate Competitive Research (EPSCoR), Summer Undergraduate Research Experience (SURE): \$161,475 for 3 years: December 15, 2023 - December 14, 2026: FY2025: \$53,825

Shepherd Opportunity to Attract Research Students (SOARS) V

Funding supports stipends for 10 students to participate in summer research projects with skilled STEM (Science, Technology, Engineering, and Mathematics) faculty mentors at Shepherd University. This is the fifth SURE SOARS proposal for the program at Shepherd, building on remarkable previous success. Project Director: Dr. Robert Warburton, Professor of Biochemistry and Dean for the College of Science, Technology, Engineering, Mathematics, and Nursing. Co-Principal Investigator: Dr. Sara Reynolds, Assistant Professor of Biology.

DOD - Department of Defense, Naval Surface Warfare Center Carderock Division (NSWC-CD): \$40,476 for ~1 year: February 5, 2024 - August 4, 2024: FY2025: \$13,942

Knowledge Metrics to Measure the Scientific and Technical Health of NSWC-CD

Funding supports the proposed research to develop the appropriate metrics to measure the knowledge and cultural health of NSWC-CD in order to be sure that the Knowledge Management (KM) activities are contributing to the strategic mission and goals of NSWC-CD, as well as to the KM strategy for NSWC-CD. KM system and output metrics will be determined, but even more important will be KM outcome-related metrics. Some initial work has already been done through the PI's previous Office of Naval Research (ONR) summer faculty research fellowships with NSWC-CD. The innovation will take place by focusing on KM-related outcome metrics that will be applicable to NSWC-CD, as most of the KM metrics in various organizations have concentrated only on system

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and output measures. Project Director: Dr. Ben Martz, Dean for the College of Business, Recreation, and Education. Co-Principal Investigator: Dr. Jay Leibowitz, Clinical Professor of Business.

USDA - United States Department of Agriculture, Rural Business Development Grant (RBDG): \$17,000 for 1 year: August 1, 2024 - July 31, 2025; FY2025: \$17,000

An Examination of the Use of Agritourism by Farms in West Virginia

Funding supports a study that examines the adoption of agritourism by farms in West Virginia. This study will be conducted in two steps. During the first step, by conducting the literature review, in-depth interviews with farm operators, and content analysis of farm websites, the main categories of agritourism activities will be identified. In the second phase of the study, using primary survey data collected from farms in West Virginia, the team will examine the agritourism farm activities and financial and managerial resources that are positively related to the performance. Findings from this study will provide implications to promote agritourism in small areas in the early stage of development. Project Director: Dr. Zahra Pourabedin, Assistant Professor of Business. Co-Principal Investigators: Dr. Jim Dovel, Assistant Professor of Business; and Dr. Ben Martz, Dean for the College of Business, Recreation and Education.

USDA - U.S. Department of Agriculture, Distance Learning and Telemedicine (DLT) Program: \$96,891 for 3 years: October 1, 2022 - December 7, 2025; FY2025: \$14,534

Pathways to Postsecondary Education for Rural Students I: Dual Enrollment Distance Learning

The goal for Phase I of this project is to create distance learning options for rural high school students through dual enrollment courses in Jefferson and Berkeley counties. Project Director: Will Bell, Interim Vice President for Enrollment Management. Operational Lead: Dr. Ben Martz, Dean for the College of Business, Recreation, and Education. Co-Directors: Dr. Jeffrey Groff, Professor of Physics; Barbara Kandalis, Coordinator for Dual Enrollment; and Joanie Raisovitch, Interim CIO/CISO.

USDE - U.S. Department of Education, TRIO Upward Bound Program: \$1,488,005 for 5 years: September 1, 2022 - August 31, 2027; FY2025: \$297,601

TRIO Upward Bound Program (II)

Awarded funds expand efforts by the federally-funded TRIO Student Support Services staff to create a high school-to-Shepherd conduit for students in the region through a summer residential program on campus and weekend programs throughout the academic year. Nationally, Upward Bound programs demonstrate success in creating a path to college attendance for first-generation college students. Typically, more than half of Upward Bound participants enroll at their host campus after graduating from high school. This program extends the purview of TRIO staff from just retention efforts to outreach and recruitment of future Shepherd students. Project Director: Dr. Evora Baker, Director, TRIO Programs.

USDE - U.S. Department of Education, TRIO Student Support Services Program: \$1,058,028 for 5 years: September 1, 2020 - August 31, 2025; FY2025: \$211,606

TRIO Student Support Services (III)

Funding supports staff salaries and programmatic offerings for Shepherd students who meet the needs criteria. The program offers mentoring, academic counseling, and tutoring services for

ACTIVE GRANTS: Awarded and/or Implemented During this Fiscal Year

Fiscal Year: 2025, Month End: March

Total FY2025 projected revenue: \$15,113,614; Sum value of all current awards: \$36,712,106

participating students to support their good academic standing while increasing retention and graduation rates. Project Director: Dr. Evora Baker, Director, TRIO Programs.

CDS - Congressionally Directed Spending, U.S. Department of Education (USDE): \$2,235,000 for 3 years: July 1, 2024 - June 30, 2027: FY2025: \$619,017

Academic Classrooms and Auditorium Improvements

This project will renovate and revitalize more than 40 labs, classrooms, and learning environments on the Shepherd University campus to improve the safety, cost-effectiveness, and educational impact of these spaces and provide an enhanced student experience through technological improvements. Project Director: Dr. Ben Martz, Dean for the College of Business, Recreation, and Education. Co-Principal Investigator Joanie Raisovitch, Interim CIO/CISO.

CDS - Congressionally Directed Spending, U.S. Department of Education (USDE): \$250,000 for 3 years: July 1, 2024 - June 30, 2027: FY2025: \$69,241

WV Emerging Project

WV Emerging is a novel way to generate forward-thinking, multigenerational policy recommendations. The Bill and Bonnie Stubblefield Institute for Civil Political Communications is setting out to develop a research-based methodology for facilitating discussions that bridge political divides to offer solutions to the most pressing issues of our time. Once developed, the Institute aims to use this framework to tackle one targeted issue each year, bringing together the many voices engaged in solving the issue. Among these voices will be experts, legislators, lobbyists, nonprofits, and the best and brightest of our Shepherd students and students from around the state. These groups will take part in a yearlong challenge to, through a series of facilitated discussions, propose a solution that will address the urgency of the problem and create a pathway to overcoming that problem for the future of our state. Project Director: Ashley Horst, Executive Director for the Stubblefield Institute.

CDS - Congressionally Directed Spending, Small Business Association (SBA): \$1,422,200 for 3 years: July 1, 2023 - June 30, 2026; FY2025: \$474,000

Agricultural Small Business Incubator at the Shepherd University Agricultural Innovation Center

This project develops new agricultural production systems to demonstrate and train novice farmers in innovative small-scale agriculture and provide the infrastructure necessary to establish an agricultural business incubator at Tabler Farm with access to arable land and focused training in agricultural entrepreneurship. Project Director: Dr. Brooke Comer, Assistant Professor of Environmental Studies. Co-Directors: Dr. Ben Martz, Dean for the College of Business, Recreation, and Education; Dr. Peter Vila, Associate Professor of Environmental Studies; and Dr. Jeffrey Groff, Professor of Physics.

CDS - Congressionally Directed Spending, Health Resources and Services Administration (HRSA): \$609,000 for 3 years: September 30, 2023 - September 29, 2026; FY2025: \$203,000
Chemistry Department Revitalization of Labs and Classrooms

This project will revitalize the Chemistry Department's labs and classrooms to meet current scientific methods and pedagogy. Project Director: Dr. Jacquelyn Cole, Associate Professor and

ACTIVE GRANTS: Awarded and/or Implemented During this Fiscal Year

Fiscal Year: 2025, Month End: March

Total FY2025 projected revenue: \$15,113,614; Sum value of all current awards: \$36,712,106

Chair, Chemistry Department. Co-Director: Dr. Robert Warburton, Dean for the College of Science, Technology, Engineering, Mathematics, and Nursing.

CDS - Congressionally Directed Spending, U.S. Department of Education (USDE): \$20,000 for 1 year: July 1, 2023 - June 30, 2024; FY2025: \$6,667

Special Education Curriculum Development

Funding will be used to develop the curriculum and courses necessary to offer a special education endorsement for Elementary and Secondary Education majors. Project Director: Dr. Belinda Mitchell, Director for the School of Education.

CDS - Congressionally Directed Spending, U.S. Department of Education (USDE): \$657,000 for 3 years: July 1, 2023 - June 30, 2026; FY2025: \$219,000

Professional Development Series: "The Write Way Forward: WV Students Succeed"

Funding will establish a professional development series for high school teachers focused on using writing to respond to the COVID pandemic. Project Director: Dr. Brian Santana, Assistant Professor of English, Director of Rhetoric and Composition. Co-Director: Dr. Heidi Hanrahan, Professor of English.

CDS - Congressionally Directed Spending, U.S. Department of Housing and Urban Development (HUD), Economic Development Initiative (EDI): \$936,000 for 7 years: May 1, 2023 - August 31, 2030; FY2025: \$127,525

East Loop: Gateway Entrance

Funding provides for the installation of improved road access and egress for vehicles and pedestrians. The new infrastructure paves the way for the construction of revenue-generating facilities that will complement the overall student experience at Shepherd. Project Director: Sonya Sholley, Associate Vice President for Strategic Initiatives and Presidential Operations. Co-Director: Dr. Scott Barton, Vice President for Finance and Administration.

CDS - Congressionally Directed Spending, U.S. Department of Housing and Urban Development (HUD), Economic Development Initiative (EDI): \$1,475,000 for 7 years: May 1, 2023 - August 31, 2030; FY2025: \$200,961

East Loop: Environmental Remediation and Demolition

Funding will be used to enhance the physical university campus in a manner that will make it more desirable for students, which begins with the removal of unused facilities surrounding the East Loop. Project Director: Sonya Sholley, Associate Vice President for Strategic Initiatives and Presidential Operations. Co-Director: Dr. Scott Barton, Vice President for Finance and Administration.

CDS - Congressionally Directed Spending, U.S. Department of Education (USDE): \$135,000 for 3 years: September 1, 2022 - August 31, 2025; FY2025: \$45,124

Enhanced Cyberinfrastructure and Regional Connectivity

This award funds a collaborative effort with nearby community colleges and universities to identify opportunities for establishing regional connectivity for research and education. Project Director: Dr. Robert Warburton, Dean for the College of Science, Technology, Engineering, Mathematics, and Nursing. Co-Director: Joanie Raisovitch, Interim CIO/CISO.

ACTIVE GRANTS: Awarded and/or Implemented During this Fiscal Year

Fiscal Year: 2025, Month End: March

Total FY2025 projected revenue: \$15,113,614; Sum value of all current awards: \$36,712,106

CDS - Congressionally Directed Spending, U.S. Department of Education (USDE): \$36,000 for 3 years: September 1, 2022 - August 31, 2025; FY2025: \$12,000

Equitable Educational Resources

These funds, provided to Accessibility Services and the Student Success Center, were used to purchase software that will enhance Shepherd's ability to provide timely, updated, and secure technology for students with diverse learning needs. The upgrades also support efforts to create and maintain an inclusive and supportive learning environment. Project Director: Jessica Anders, Director, Accessibility Services.

CDS - Congressionally Directed Spending, U.S. Department of Education (USDE): \$70,000 for 3 years: September 1, 2022 - August 31, 2025; FY2025: \$11,890

Stubblefield Institute's Listen/Learn/Engage Initiative (II)

Funding supports Phase II of an interdisciplinary program to prepare Shepherd students to shape and debate public policies and fulfill community leadership roles. This phase aims to expand the program to serve students across all disciplines (beyond nursing, social work, and education) and address various topics beyond those related to the COVID-19 pandemic. Project Director: Ashley Horst, Executive Director for the Stubblefield Institute.

CDS - Congressionally Directed Spending, U.S. Department of Justice (DOJ), Community Oriented Policing Services (COPS): \$4,000,000 for ~2 years: March 15, 2022 - September 30, 2025; FY2025: \$2,874,780

Critical Campus Security and Safety Infrastructure

This funding allows the Shepherd University Police Department (SUPD) to provide an integrated security camera system, vehicles that operate reliably and effectively, a communication system that will work during the most critical times to provide interoperable synchronization with all regional emergency services, a building/room locking system to assist in the event of an active shooter or similar threats, a parking enforcement system that helps SUPD become more financially solvent, and equipment to ensure officer safety. Project Director: Holly Morgan-Frye, Vice President for Student Affairs and Director, Community Relations. Co-Directors: Lori Maraugh, Chief of Police; and Joanie Raisovitch, Interim CIO/CISO.

CDS - Congressionally Directed Spending, U.S. Department of Agriculture (USDA), Distance Learning and Telemedicine (DLT) Program: \$111,000 for 3 years: October 1, 2022 - November 30, 2025; FY2025: \$36,966

Pathways to Postsecondary Education for Rural Students II: Dual Enrollment Distance Learning

Funding supports Phase II of the current project to create distance learning options for rural high school students through dual enrollment courses and an expansion into Morgan County. Project Director: Will Bell, Interim Vice President for Enrollment Management. Co-Directors: Dr. Ben Martz, Dean for the College of Business, Recreation, and Education; Barbara Kandalis, Coordinator for Dual Enrollment; Joanie Raisovitch, Interim CIO/CISO; and Dr. Jeffrey Groff, Professor of Physics.

PENDING GRANTS: Submitted and Awaiting Decision on Award

Fiscal Year: 2025, Month End: March

Total of Pending Requests: \$7,559,191

HRSA - Health Resources and Services Administration, Nursing Workforce Diversity (NWD): \$2,219,559 for 4 years: July 1, 2025 - June 30, 2029

Shepherd University's Educate Disadvantaged Undergraduate Coeds Accomplishing Transformative Excellence as Registered Nurses (EDUCATE RNs)

Funding would support Shepherd's EDUCATE RNs program, which aims to increase enrollment, retention, and matriculation of students with disadvantaged backgrounds in nursing higher education through holistic admissions measures, faculty development, clinical experiences, and Bachelor of Science in Nursing (BSN) scholarships. Project Director: Dr. Mary Hancock, Director of the School of Nursing.

FEMA - Federal Emergency Management Agency, State and Local Cybersecurity Grant Program (SLCGP): \$151,557 for ~2 years: September 1, 2025 - November 30, 2027

Enhancing Cybersecurity Infrastructure Through Encrypted Storage

Funding would enhance Shepherd's cybersecurity resilience and data protection through the implementation of a modern network storage infrastructure with robust encryption-at-rest capabilities. The proposed would replace legacy hardware and address critical vulnerabilities in existing infrastructure. Project Director: Joanie Raisovich, Interim CIO/ CISO. Co-Project Director: Jason Kerr, Network Administrator.

CDC - Centers for Disease Control and Prevention, Division of Overdose Protection (DOP): \$3,500,000 for 5 years: September 30, 2025 - September 29, 2030

Photobiomodulation Therapy for Reducing Substance Use Cravings, Depression, Pain and Improving Sleep Quality: A Mixed-Methods Randomized Control Trial

Funding would support a study that aims to revolutionize approaches to treating substance (primarily opioid) use disorder (OUD) by incorporating transcranial Photobiomodulation (tpBM) into clinical practice, a promising non-invasive intervention that targets underlying neural pathways associated with addiction, specifically, cravings, pain, sleep quality, and mood regulation. Project Director: Dr. Kelly Watson-Huffer, Associate Professor of Nursing. Co-Project Director: Dr. Jennifer Flora, Director, Suzanne Shipley Wellness Center.

USDE - U.S. Department of Education, TRIO Student Support Services Program: \$1,361,820 for 5 years: September 1, 2025 - August 31, 2030

TRIO Student Support Services (SSS)

Funding would support staff salaries and programmatic offerings for Shepherd students who meet the needs criteria. The program offers mentoring, academic counseling, and tutoring services for participating students to support their good academic standing while increasing retention and graduation rates. This would be Shepherd's fourth TRIO SSS award. Project Director: Dr. Evora Baker, Director, TRIO Programs.

NSF - National Science Foundation, Secure and Trustworthy Cyberspace Education (SaTC EDU): \$326,255 for 2 years: August 1, 2025 - July 31, 2027

National Airspace System Cybersecurity Program

Funding would support the creation of a laboratory for learning cybersecurity for the National Airspace System (NAS) at Shepherd University. The lab will be used by a series of courses that investigate the fragilities and vulnerabilities of the various systems that comprise the NAS to develop methods to detect and mitigate cyberattacks on the NAS. The students will have experiential learning opportunities and research will be compiled in an accessible repository for wider educational and research use. Principal Investigator: Dr. George Ray, Assistant Professor of Business.