



THE UNIVERSITY OF  
**SOUTHERN MISSISSIPPI.**<sup>®</sup>

**Report of Proposals and Awards  
For November  
Fiscal Year 2026**

## Two Year Comparison

2025 November vs 2024 November

| -                        | Current      | Prior        | Δ YoY          |
|--------------------------|--------------|--------------|----------------|
| Funding Dollars          | \$2,332,722  | \$2,447,007  | (\$114,285)    |
| Funding Dollars - YTD    | \$45,519,530 | \$55,976,550 | (\$10,457,020) |
| Funded Projects          | 16           | 25           | (9)            |
| Funded Projects - YTD    | 127          | 153          | (26)           |
| Submitted Projects       | 23           | 40           | (17)           |
| Submitted Projects - YTD | 147          | 175          | (28)           |

## Monthly YTD

| -                     | FY 2025          |               |                     | FY 2026          |               |                     | <b>Dollars</b> |
|-----------------------|------------------|---------------|---------------------|------------------|---------------|---------------------|----------------|
|                       | <b>Submitted</b> | <b>Funded</b> | <b>Dollars</b>      | <b>Submitted</b> | <b>Funded</b> |                     |                |
| July                  | 36               | 26            | \$10,132,831        | 27               | 19            | \$11,582,540        |                |
| August                | 39               | 29            | \$8,789,907         | 37               | 24            | \$7,105,543         |                |
| September             | 34               | 42            | \$19,861,274        | 28               | 45            | \$17,163,018        |                |
| October               | 26               | 31            | \$14,745,531        | 32               | 23            | \$7,335,707         |                |
| November              | 40               | 25            | \$2,447,007         | 23               | 16            | \$2,332,722         |                |
| December              | 14               | 12            | \$3,700,599         |                  |               |                     |                |
| January               | 32               | 20            | \$5,779,909         |                  |               |                     |                |
| February              | 40               | 30            | \$4,097,810         |                  |               |                     |                |
| March                 | 53               | 24            | \$3,386,974         |                  |               |                     |                |
| April                 | 31               | 18            | \$3,543,927         |                  |               |                     |                |
| May                   | 57               | 18            | \$6,443,503         |                  |               |                     |                |
| June                  | 52               | 27            | \$4,123,855         |                  |               |                     |                |
| <b>Totals to Date</b> | <b>454</b>       | <b>302</b>    | <b>\$87,053,127</b> | <b>147</b>       | <b>127</b>    | <b>\$45,519,530</b> |                |

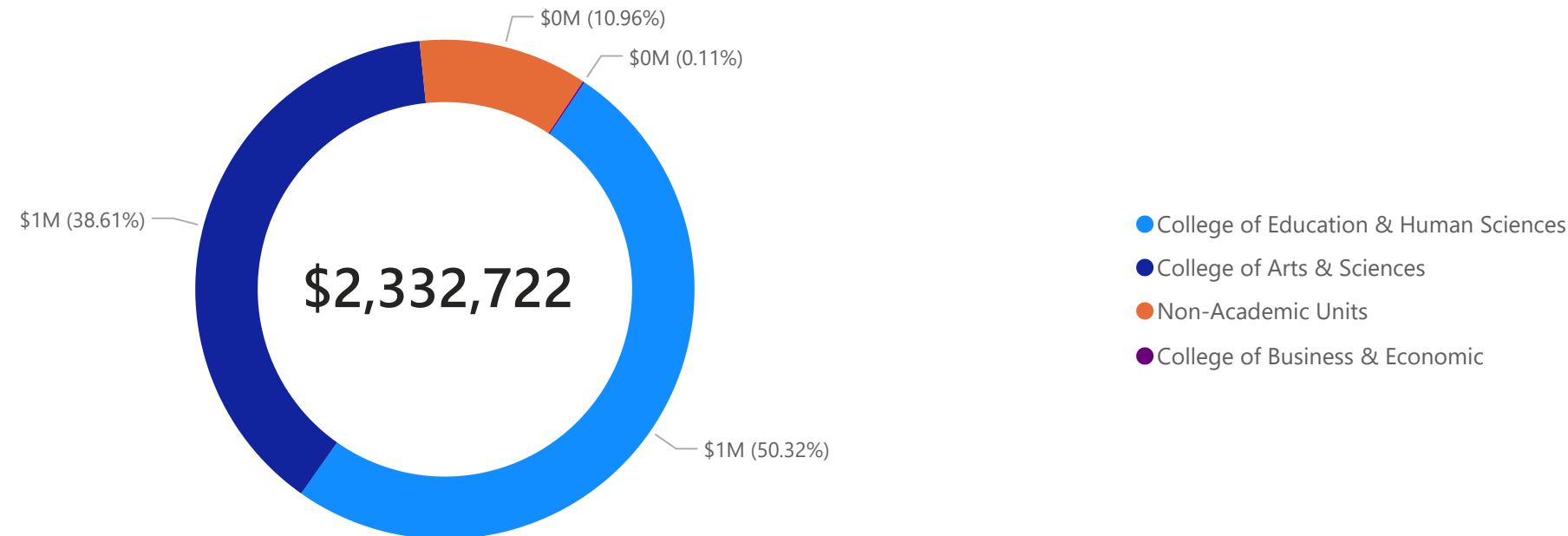
## Grants and Awards Received

11/01/2025 - 11/30/2025

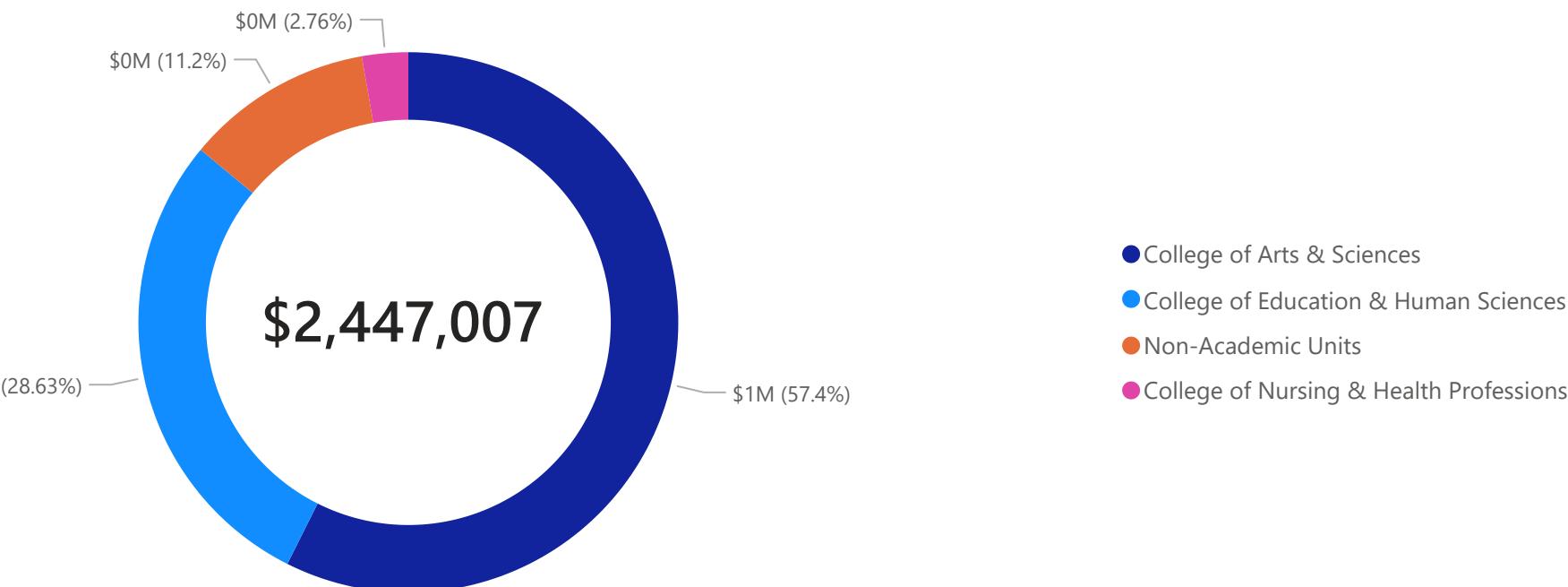
| Award Number | Total              | Project Title  | Start Date | End Date   | Prime Sponsor                                 | Department                                       | PI               | CO-PI            |
|--------------|--------------------|--|------------|------------|---|--|------------------|------------------|
| 8007658      | \$1,056,740        | Institute of Child Nutrition Applied Research Division 2025  | 7/1/2025   | 3/31/2028  | U.S. Department of Agriculture                | Institute of Child Nutrition                     | Marjuyua Lartey  |                  |
| 8007758      | \$323,952          | Operational Hypoxia Mapping with Uncrewed Surface Platforms  | 3/1/2025   | 2/28/2026  | U.S. Department of Commerce                   | Marine Science                                   | Stephan Howden   | Landry Bernard   |
| 8007761      | \$275,000          | Structure, biochemical, and pathological properties of TDP-43 $\zeta$ Tau hybrid aggregates in tauopathies                                   | 12/1/2025  | 10/31/2026 | Rainwater Charitable Foundation               | Chemistry & Biochemistry                         | Vijay Rangachari |                  |
| 8007757      | \$117,073          | Louisiana-Mississippi Geriatric Workforce Enhancement Program  | 7/1/2024   | 6/30/2026  | U.S. Department of Health and Human Services  | Social Work                                      | Joohee Lee       |                  |
| 8007756      | \$112,609          | Mapping of Pensacola and Perdido Bays Submerged Aquatic Vegetation (SAV) Using High-resolution Aerial and Satellite Imagery (Resolicitation) | 10/15/2025 | 6/15/2026  | Pensacola & Perdido Bays Estuary Program      | GP Geospatial Center                             | Gregory Carter   | Carlton Anderson |
| GR05241      | \$79,024           | Wounded Warrior Independence Program   | 12/4/2014  | 1/16/2026  | Neuro Community Care LLC                      | Institute for Disability Studies                 | Richard Baker    |                  |
| 8007069      | \$75,702           | Rational development of a multivalent vaccine against tick-borne rickettsioses   | 8/1/2022   | 7/31/2025  | U.S. Department of Health and Human Services  | Cell & Molecular Biology                         | Shahid Karim     |                  |
| 8007764      | \$75,000           | Development and Commercialization of a New Method for Fabricating Highly Thermally Conductive Composites                                     | 11/7/2025  | 11/6/2026  | Board of Trustees of IHL                      | Polymer Science & Engineering                    | Sergei Nazarenko | Olivia McNair    |
| 8007765      | \$75,000           | Interfacial Welding of Additively Manufactured Parts via Solvent Engineering   | 11/7/2025  | 11/6/2026  | Board of Trustees of IHL                      | Polymer Science & Engineering                    | Zhe Qiang        |                  |
| 8007762      | \$40,000           | IJ-FAM Monitoring and Assessment of Mississippi's Interjurisdictional Marine Resources   | 9/1/2025   | 8/31/2026  | U.S. Department of Commerce                   | GCRL Center for Fisheries Research & Development | Jill Hendon      | Jeremy Higgs     |
| 8007769      | \$35,000           | Climate, Energy, and the Environment in South-Central Africa   | 11/1/2025  | 5/31/2027  | U.S. Department of State                      | Ecology & Organismal Biology                     | Mac Alford       |                  |
| 8007745      | \$24,000           | Wide Horizons: Place-Based Education and the Future of the Gulf  | 9/1/2025   | 8/31/2026  | The National Academies                        | Marine Education Center                          | Samantha Capers  |                  |
| 8007760      | \$15,000           | NASA Space Grant in Mississippi  | 6/1/2025   | 5/31/2026  | National Aeronautics and Space Administration | Geography & Geology                              | David Cochran    |                  |
| 8007513      | \$15,000           | Updating Law Enforcement Data in Mississippi   | 10/1/2024  | 9/30/2025  | U.S. Department of Justice                    | Criminal Justice, Forensic Science & Security    | Charles Scheer   |                  |
| 8007525      | \$11,122           | Mesoscale eddies, internal waves, and solitons in SWOT, global models, and downscaled regional models  | 8/5/2024   | 8/4/2028   | National Aeronautics and Space Administration | Marine Science                                   | Maarten Buijsman |                  |
| 8007763      | \$2,500            | E-Fest Undergraduate Entrepreneurship Competition  | 10/8/2025  | 10/7/2026  | University of St. Thomas                      | Entrepreneurship                                 | Derek Abrams     |                  |
| <b>Total</b> | <b>\$2,332,722</b> |  |            |            |   |  |                  |                  |

## Grant and Award Totals by College YoY

11/01/2025 - 11/30/2025

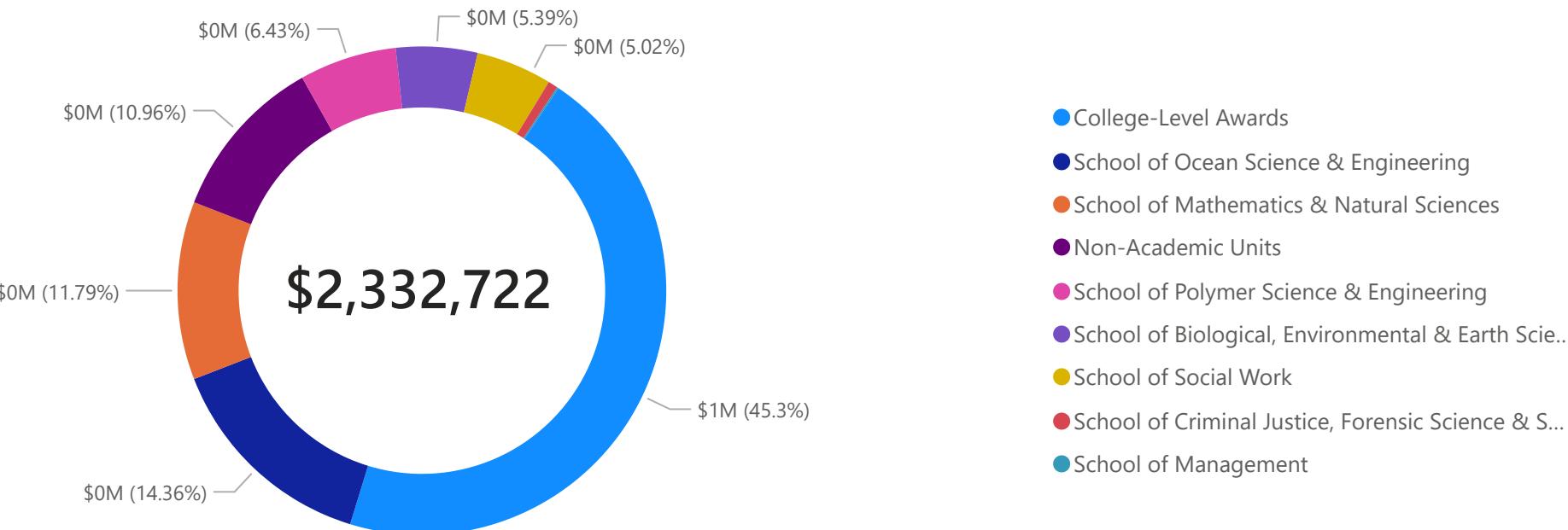


11/01/2024 - 11/30/2024

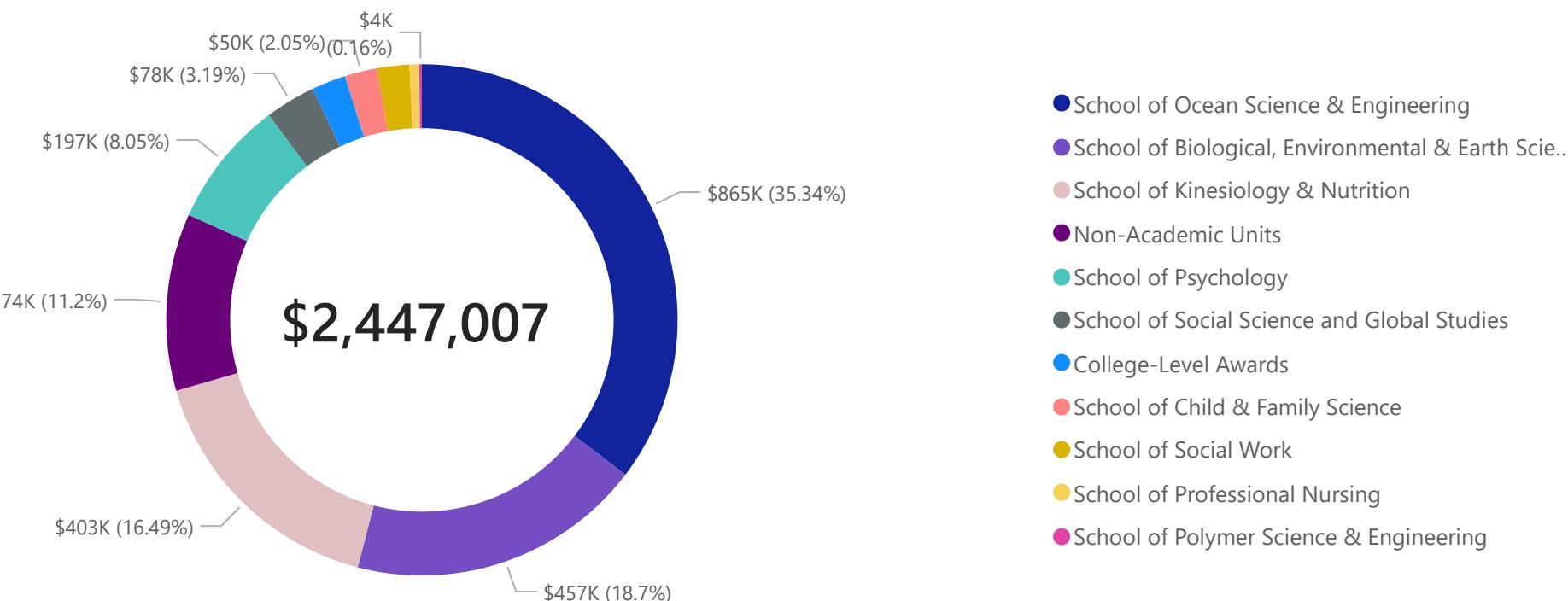


## Grant and Award Totals by School YoY

11/01/2025 - 11/30/2025



11/01/2024 - 11/30/2024



## Proposal Activity

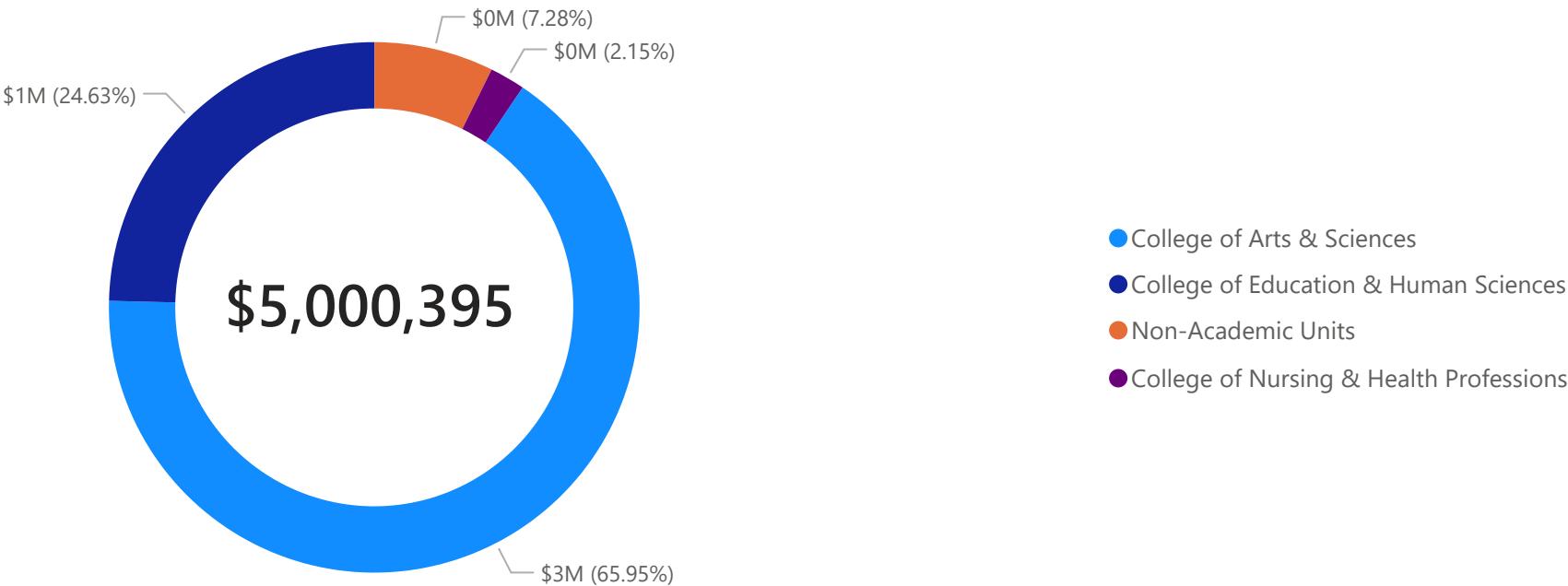
**11/01/2025 - 11/30/2025**

| Prime Sponsor                                     | Sponsor   | Amount      | Title  | Submitted Date | Project Start | Project End | PI                 | CO-PI  |
|---|---|-------------|--|----------------|---------------|-------------|--------------------|--|
| Mississippi Department of Human Services          | Mississippi Department of Human Services          | \$1,206,585 | MECIC PDG System   | 11/26/2025     | 1/1/2026      | 12/31/2026  | Alicia Westbrook   |  |
| U.S. Department of Agriculture                    | National Institute of Food & Agriculture          | \$799,425   | DSFAS PARTNERSHIP: From Detection to Providing a Solution: AI-Driven, Secure, Gene Expression Profiling, and Hardware Implementation of Agriculture Precision for Food Security Using Internet of Drones | 11/12/2025     | 6/1/2026      | 5/31/2029   | Ahmed Sherif       | Partha Sengupta, Rabab Abdelfattah               |
| National Science Foundation                       | National Science Foundation                       | \$708,227   | Rural Drone Innovation and Training Center: Advancing Emergency Response and STEM Learning through Human-Centered UAS Pedagogy in Southern Mississippi   | 11/4/2025      | 5/15/2026     | 7/30/2029   | Mohammed Rashid    |  |
| U.S. Department of Agriculture                    | University of Mississippi                         | \$350,000   | Advancing RNAi Biopesticides through Alternative Mechanisms and Low-Cost Nanocarriers  | 11/6/2025      | 4/1/2026      | 3/31/2029   | Tristan Clemons    |  |
| U.S. Department of Agriculture                    | National Institute of Food & Agriculture          | \$300,000   | piRNA-mediated germline regulation to induce sterility in Ticks  | 11/5/2025      | 3/1/2026      | 2/29/2028   | Shahid Karim       |  |
| National Oceanic and Atmospheric Administration   | Gulf of America Alliance                          | \$219,285   | Digital Adventures for Curious Educators   | 11/21/2025     | 12/1/2025     | 11/30/2027  | Jessica Kastler    |  |
| Carnegie Corporation of New York                  | Carnegie Corporation of New York                  | \$200,000   | Gendered Divides: How Masculinity, Femininity, and 'Macho' Women Shape American Polarization   | 11/5/2025      | 8/1/2026      | 7/31/2028   | Maggie Martin      |  |
| Carnegie Corporation of New York                  | Carnegie Corporation of New York                  | \$200,000   | More Awareness, Less Ego: Turning to The Gita to Combat Political Polarization   | 11/7/2025      | 8/1/2026      | 7/31/2028   | Monika Gehlawat    |  |
| Board of Trustees of IHL                          | Board of Trustees of IHL                          | \$150,000   | Development and Commercialization of a New Class of Polymer-Soluble Organometallic Flame Retardants  | 11/5/2025      | 3/1/2026      | 2/28/2027   | Sergei Nazarenko   | Karl Wallace                                     |
| National Science Foundation                       | University of California Santa Barbara            | \$136,475   | Computation-Optimized Automated Soft materials Technology Programmable Cloud Laboratory Node (COAST PCL Node)  | 11/21/2025     | 8/1/2026      | 7/31/2028   | Tristan Clemons    |  |
| U.S. Department of Energy                         | U.S. Department of Energy                         | \$130,000   | DREAM: Data-driven Reinvigorated Advanced Membrane Discovery Platform, Supplement  | 11/17/2025     | 9/1/2025      | 8/31/2026   | Xiaodan Gu         | Boran Ma, Derek Patton                           |
| Mitsubishi Electric America Foundation            | Mitsubishi Electric America Foundation            | \$94,502    | Southern Miss Autism Support Team (SMAST)  | 11/1/2025      | 4/1/2026      | 3/31/2027   | Joseph King        |  |
| The National Academies                            | Louisiana State University                        | \$94,290    | Increasing Workforce Development Through Collaboration Among Mississippi-Based MissDelta Partner Institutions Supplementary Funds Proposal   | 11/26/2025     | 11/1/2025     | 10/31/2028  | Kim De Mutsert     | Aaron Ridall                                     |
| National Science Foundation                       | National Science Foundation                       | \$75,000    | Scale-Up and Optimization of Biomodified Cellulose Resins for Sustainable Coatings   | 11/21/2025     | 12/1/2025     | 11/30/2026  | James Rawlins      |  |
| National Institutes of Health                     | My Brother's Keeper                               | \$64,999    | Integrated Health Services (IHS) Project   | 11/6/2025      | 10/1/2025     | 1/31/2026   | Jennifer Lemacks   |  |
| The National Academies                            | Louisiana State University                        | \$59,579    | Suspended Nutrient and Sediment Sampling Supplementary Funds Proposal  | 11/26/2025     | 11/1/2025     | 10/31/2028  | Kim De Mutsert     | Jeremy Wiggert, Mustafa Cambazoglu, Scott Milroy |
| Spencer Foundation                                | Spencer Foundation                                | \$50,000    | Barriers to Inclusive Primary and Secondary Education for Impoverished Populations in Northern Honduras  | 11/30/2025     | 9/1/2026      | 8/31/2028   | Leslie Lavergne    | Bruce Smith                                      |
| Office of Nursing Workforce Mississippi           | Mississippi Board of Nursing                      | \$42,400    | Office of Nursing Workforce (Mississippi) FY26   | 11/18/2025     | 8/1/2025      | 7/31/2026   | Charleen McNeill   |  |
| Evonik Corporation                                | Evonik Corporation                                | \$40,090    | Evonik Project_Scale Up  | 11/12/2025     | 10/30/2025    | 10/29/2026  | Jeffrey Wiggins    |  |
| The Center for Construction Research and Training | The Center for Construction Research and Training | \$29,765    | Temporary Wiring Hazards in Small Residential Construction: Assessing OSHA/NIOSH Guidance and Stakeholder Perspectives   | 11/1/2025      | 1/1/2026      | 8/31/2026   | Yuan Sun           |  |
| American Council of Learned Societies             | American Council of Learned Societies             | \$24,945    | ACLS Digital Justice Seed Grant  | 11/20/2025     | 7/1/2026      | 6/30/2027   | Courtney Luckhardt | Jennifer Andrella                                |
| Spencer Foundation                                | Spencer Foundation                                | \$19,828    | Run, Persist, Succeed: Exploring the Relationship Between Running, Grit, and Academic Perseverance Among College Students  | 11/13/2025     | 7/1/2026      | 6/30/2027   | Masa Krsmanovic    |  |
| American Library Association                      | American Library Association                      | \$5,000     | Accessible Training and Resources for Academic and Public Libraries  | 11/7/2025      | 4/1/2026      | 12/31/2027  | Laura Clark Hunt   |  |

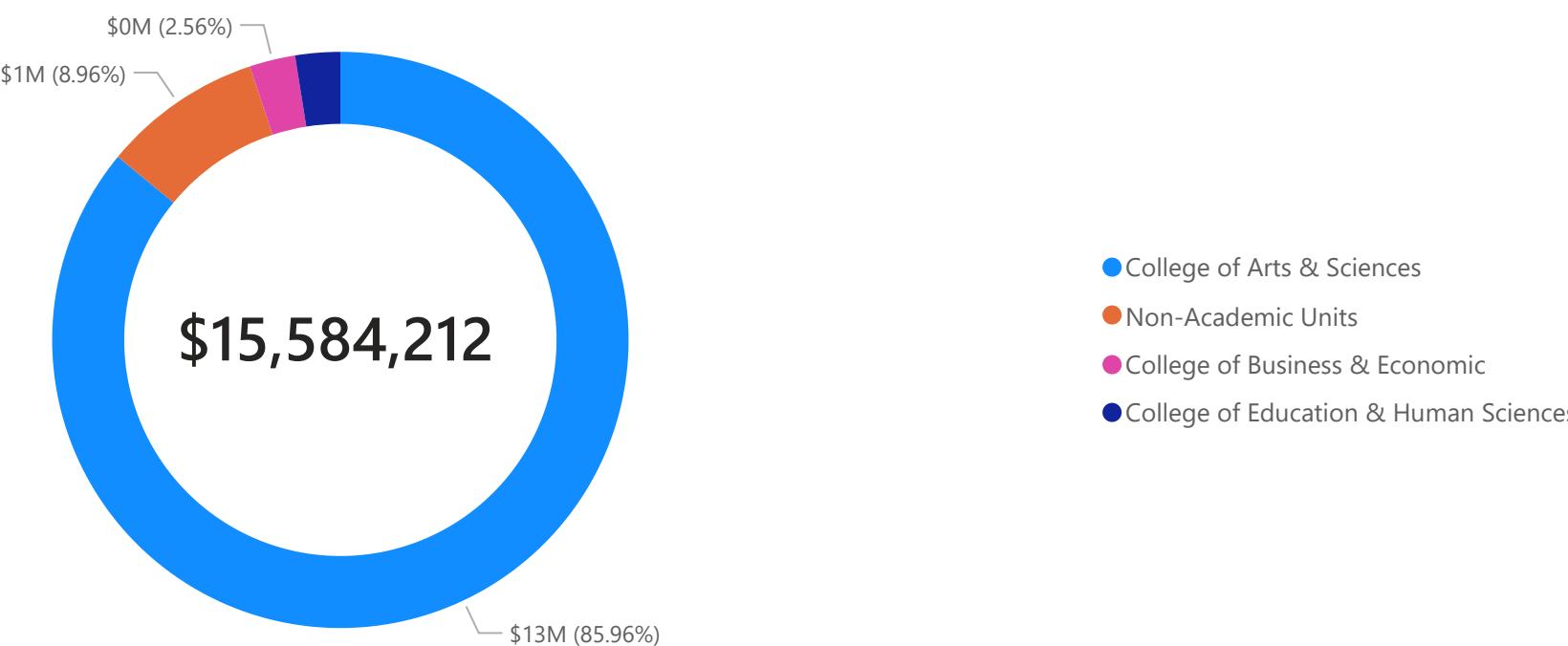
**\$5,000,395**

## Proposal Totals by College YoY

11/01/2025 - 11/30/2025

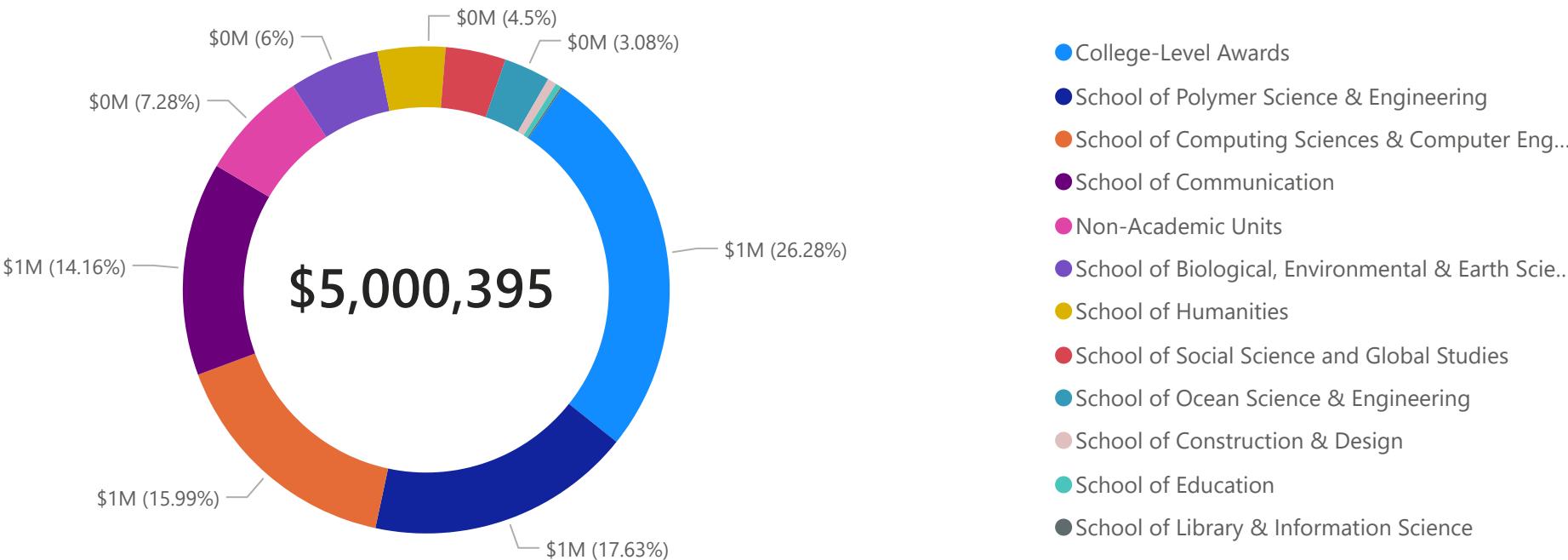


11/01/2024 - 11/30/2024



## Proposal Totals by School YoY

11/01/2025 - 11/30/2025



11/01/2024 - 11/30/2024

