

# **COLLEGE OF CHARLESTON**

## **Office of Research and Grants Administration**

### **Yearly Report on External Funding Activity—Awards & Proposals**

#### **Fiscal Year 2022**

The College of Charleston received 95 awards totaling \$7,413,124 in external funding during fiscal year 2022. Of these awarded funds, 55.79% came from federal sources. The College of Charleston received the most awards from the National Aeronautics and Space Administration, totaling \$2,578,872 across 9 awards.

During the same fiscal period, 183 proposals requesting \$30,791,599 in funding were submitted to 79 different sponsors. 66.12% of these funds were requested from federal sources. The sponsors to which the most proposals were submitted were the National Aeronautics and Space Administration (NASA) and the National Science Foundation (NSF), with 23 and 22 proposal submissions, respectively.

Six Schools within the College of Charleston received 89 grants, totaling \$6,807,023. The six schools include: Arts; Business; Education, Health and Human Performance; Humanities and Social Sciences; Languages, Cultures and World Affairs; and Sciences and Mathematics. The School of Sciences & Mathematics received 45 awards and \$5,406,152 in funding. The School of Humanities & Social Sciences received the second highest number of awards totaling \$639,762 in funding across 24 awards. The remaining grants, totaling \$606,100 in funding, were awarded to College of Charleston Libraries, Student Health Services, the Office of Sustainability, the Public Safety Office, and Upward Bound.

Among the many exciting projects to receive funding, there are several to spotlight. Dr. Leslie Hart received an Academic Research Enhancement Award (AREA) R15 award from the National Institutes of Health (NIH) to support her work titled, “Investigating Trophic Exposure to Marine Microplastics and Plasticizers in a Sentinel Species and the Implications for Seafood Safety.” Tracey Hunter-Doniger was awarded three grants from Winthrop University to support Teacher Education. Darcy Everett in the Office of Sustainability was awarded funds from the SC Department of Health and Environmental Control (SC DHEC) and the Siemens Foundation to support two projects: The Collegiate Recycling Program at TD Arena and a College of Charleston Waste Characterization Study. The National Science Foundation (NSF) is supporting Renee McCauley in the Computer Science department, who is conducting a multi-institutional collaborative research study of professional dispositions in computing education. Paul Sanchez in the Music department was awarded a grant from the SC Arts Commission supporting a Charleston Chamber Music Intensive. Finally, George Chartas received a NASA grant in support of his study on Black Hole winds titled, “Shedding "X-ray" light on Supermassive Black Hole winds. Supermassive Black Holes Winds in X-rays (SUBWAYS).”

**Award Amounts by Funding Source, Fiscal Year 2022:**

<b>Funding Source</b>	<b>Number of Grants Awarded</b>	<b>Total Amount Funded</b>
Federal	51	\$6,372,883
Foreign	2	\$4,531
Local Government (Charleston)	9	\$95,752
Local Government (Not Charleston)	5	\$78,000
Private-Nonprofit	12	\$187,615
Private-Business	1	\$374,348
Private-Corporate`	1	\$30,000
State of SC	14	\$269,995
<b>Total</b>	<b>95</b>	<b>\$7,413,124</b>

**Submitted Proposal by Funding Source, Fiscal Year 2022:**

<b>Funding Source</b>	<b>Number of Proposal Submitted</b>	<b>Total Amount Requested</b>
Federal	121	\$28,415,735
Foreign	2	\$4,531
Local Government (Charleston)	10	\$113,426
Local Government (Not Charleston)	5	\$78,000
Private-Nonprofit	22	\$831,917
Private-Business	1	\$374,348
Private-Corporate	1	\$30,000
Private-IHE	1	\$4,639
State of SC	20	\$939,003
<b>Total</b>	<b>183</b>	<b>\$30,791,599</b>

**Sponsors to which Proposals were Submitted, Fiscal Year 2022:**

<b>Sponsor (Originating Agency)</b>	<b>Number of Proposals Submitted</b>	<b>Total Amount Requested</b>
American Chemical Society	1	\$70,000
Beaufort County	1	\$10,000
Berkeley-Charleston-Dorchester Council of Governments	1	\$18,000
Cayman Biomedical Research Institute (CABRI)	1	\$3,500

Chapin Hall, University of Chicago (Doris Duke Fellowships)	1	\$79,877
Charleston County	5	\$64,000
Charleston County School District	1	\$1,500
Charleston Parks Conservancy	1	\$7,500
City of Charleston	2	\$66,101
City of Columbia Fire Department	2	\$61,000
Clemson University	6	\$5,699,247
Clerks to County Council (C2C)	1	\$2,200
Climate Resilience Fund	1	\$49,979
College of Charleston Foundation	2	\$48,189
CyberGuard 360	1	\$374,348
Dorchester County	2	\$7,000
Environmental Protection Agency	1	\$100,000
Geosciences Australia	1	\$3,007
German Information Center USA	1	\$1,524
Hunley Commission	1	\$11,000
Kaboom!	1	\$15,000
Marine Information Resources Corporation (MIRC)	1	\$125,969
Mathematical Association of America	1	\$432,200
Medical University of SC	3	\$684,662
Medical University of SC Foundation	1	\$6,332
Missouri University of Science and Technology	1	\$269,286
Morris Animal Foundation	1	\$99,891
Mt Pleasant Waterworks	1	\$10,000
National Academies of Science	1	\$76,000
National Aeronautics and Space Administration (NASA)	23	\$4,271,440
National Endowment for the Arts (NEA)	1	\$60,000

National Endowment for the Humanities (NEH)	2	\$249,925
National Fish & Wildlife Foundation (NFWF)	1	\$279,558
National Institutes of Standards and Technology (NIST)	3	\$53,232
National Institutes of Health (NIH)	1	\$442,724
National Oceanic and Atmospheric Administration (NOAA)	1	\$31,011
National Park Service (NPS)	3	\$865,892
National Science Foundation (NSF)	22	\$8,855,070
NC State University	1	\$4,639
New Morning Foundation	1	\$9,949
Neyroblast	1	\$344,398
North Carolina State University	1	\$3,600
Northeastern University	1	\$40,000
Rent Responsibly	1	\$3,000
SC Arts Commission (SCAC)	3	\$19,612
SC Competes	1	\$194,392
SC Department of Commerce	1	\$163,620
SC Department of Education	1	\$31,769
SC Department of Health & Environmental Control (SC DHEC)	1	\$10,000
SC Department of Mental Health	1	\$2,500
SC Department of Natural Resources (SC DNR)	5	\$413,897
SC Department of Public Safety	1	\$36,830
SC Department of Social Services	2	\$40,000
SC Emergency Management Division (SC EMD)	1	Not specified.
SC Established Program to Stimulate Competitive Research (EPSCoR)	3	\$104,000
SC Humanities	2	\$20,514
SC Sea Grant Consortium	7	\$601,995
Sea Turtle Patrol Hilton Head	1	\$6,500

Siemens	1	\$30,000
Smithsonian Astrophysical Observatory	1	\$41,255
South Arts	1	\$2,500
Southern Region SARE Professional Development Program	1	\$97,784
Spencer Foundation	2	\$125,510
Substance Abuse and Mental Health Services Administration	1	\$306,000
The Citadel	1	\$227,794
Town of Mount Pleasant	1	\$7,500
University of Central Florida	1	\$70,000
University of Colorado Boulder	1	\$334,983
University of Louisville	1	\$150,461
University of North Carolina-Wilmington	2	\$83,847
University of South Carolina	15	\$2,352,036
University of Tennessee-Knoxville	1	\$19,347
University of the Virgin Islands	2	\$429,393
University of Wisconsin-Osh Kosh	1	\$51,673
U.S. Department of Education	2	\$684,998
U.S. Department of State	1	\$22,263
U.S. Forest Service	5	\$122,498
Virginia Institute of Marine Science	1	\$102,429
Wake Forest University	1	\$199,818
Winthrop University	3	\$12,900
<b>Total</b>	<b>183</b>	<b>\$31,032,368</b>

**Sponsors which Awarded Funding, Fiscal Year 2022:**

<b>Sponsor (Originating Agency)</b>	<b>Number of Grants Awarded</b>	<b>Total Amount Funded</b>
Beaufort County	1	\$10,000
Chapin Hall, University of Chicago (Doris Duke Fellowships)	1	\$80,000
Charleston County	5	\$46,012

Charleston County School District	1	\$1,500
City of Charleston	1	\$36,740
City of Columbia Fire Department	2	\$61,000
Clemson University	1	\$7,750
Clerks to County Council (C2C)	1	\$2,200
College of Charleston Foundation	2	\$48,400
CyberGuard 360	1	\$374,348
Dorchester County	2	\$7,000
Geosciences Australia	1	\$3,007
German Information Center USA	1	\$1,524
Hunley Commission	1	\$11,000
Kaboom!	1	\$15,000
Medical University of SC (MUSC)	1	\$10,000
Medical University of SC (MUSC) Foundation	1	\$6,300
Mt Pleasant Waterworks	1	\$10,000
National Aeronautics and Space Administration (NASA)	9	\$2,578,872
National Institutes of Standards and Technology (NIST)	3	\$53,232
National Institutes of Health (NIH)	1	\$447,164
National Oceanic and Atmospheric Administration (NOAA)	1	\$31,011
National Park Service (NPS)	1	\$50,582
National Science Foundation (NSF)	6	\$1,065,035
New Morning Foundation	1	\$9,949
North Carolina State University	1	\$3,600
Rent Responsibly	1	\$3,000
SC Arts Commission (SCAC)	2	\$11,438
SC Competes	1	\$115,000
SC Department of Commerce	1	\$179,006
SC Department of Education	1	\$31,769

SC Department of Health & Environmental Control (SC DHEC)	1	\$10,000
SC Department of Mental Health	1	\$2,500
SC Department of Natural Resources (SC DNR)	3	\$39,513
SC Department of Public Safety	1	\$30,747.37
SC Department of Social Services	2	\$77,000
SC Established Program to Stimulate Competitive Research (EPSCoR)	3	\$104,000
SC Humanities	2	\$11,500
SC Sea Grant Consortium	4	\$264,421
Sea Turtle Patrol Hilton Head	1	\$6,500
Siemens	1	\$30,000
Smithsonian Astrophysical Observatory	1	\$20,628
South Arts	1	\$1,666
Town of Mount Pleasant	1	\$1,500
University of Central Florida	1	\$20,000
University of Colorado Boulder	1	\$152,535
University of South Carolina	4	\$266,812
University of Tennessee-Knoxville	1	\$19,347
U.S. Department of Education	2	\$592,700
U.S. Department of State	1	\$22,263
U.S. Forest Service	5	\$114,000
Virginia Institute of Marine Science (VIMS)	1	\$301,152
Winthrop University	3	\$12,900.15
<b>Total</b>	<b>95</b>	<b>\$7,413,124</b>

**Awards per School, Fiscal Year 2022:**

School	Number of Grants Awarded	Total Amount Funded
Arts	6	\$56,856
Business	2	\$95,296
Education, Health and Human Performance	10	\$597,433

Humanities and Social Sciences	24	\$639,762
Languages, Cultures and World Affairs	2	\$11,524
Libraries	1	\$25,000
Sciences and Mathematics	45	\$5,406,152
Student Health Services	1	\$9,949
Office of Sustainability	2	\$40,000
Public Safety Office	1	\$30,747
Upward Bound	1	\$500,404
<b>Total</b>	<b>95</b>	<b>\$7,413,124</b>