



OFFICE OF PARTNERSHIPS & SPONSORED PROGRAMS  
FY 2014 ANNUAL REPORT



THE UNIVERSITY of TENNESSEE   
CHATTANOOGA



# UTC SPONSORED PROGRAM ACTIVITY



It is with great pride and pleasure that I present the 2014 Office of Partnerships and Sponsored Programs (OPSP) Annual Report summarizing the successful efforts of the University of Tennessee at Chattanooga (UTC) faculty and staff to garner significant extramural resources. These efforts have translated into support for faculty and student excellence on our campus and in the Chattanooga region as a whole. From exploring the life course of indigenous species of birds and animals as close as the Tennessee Valley or as far away as the Chilean Matorral ecoregion, to outstanding musical performances and teaching resources for the preparation of school teachers, nurses, and physical therapists, this past year UTC has continued to have a major impact both regionally and nationally in the areas of educational innovation, research, and the creative arts. During fiscal year 2013-2014, a number of UTC faculty and staff were able, along with key community partners, to successfully procure external funding in support of UTC's mission. OPSP has strategically and tirelessly assisted faculty and staff in the identification, preparation, submission, and management of extramural proposals and contracts. Our grant specialists and research support staff look forward to expanding and extending the reach of its services to our faculty, staff, and students in FY2015!

The current Annual Report reflects both the diversity and commitment to excellence found among our faculty and their disciplines. The amount of extra-mural funding our faculty and staff applied for this past fiscal year reached \$15,439,230. In the face of a sluggish economy and level budgeting among federal and non-profit organizations, UTC received awards totaling \$9,270,122.

This year's Annual Report highlights the 'shining stars' among the UTC family, and we'd like to acknowledge the important fact that many of these projects involve collaborations within the institution, with colleagues at other academic institutions, and with community partners who strive alongside us to promote the mission of this University to achieve success in the pursuit of truth, knowledge, and selfless service. Congratulations to those UTC faculty, staff, and students who have sacrificed time and effort to bring such key resources and reputation to our campus this past year.

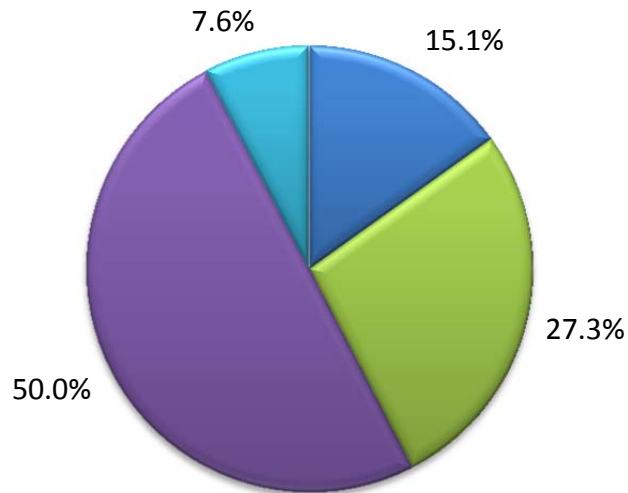
- Dr. Gregory Heath,  
Assistant Provost for Research & Engagement

## TABLE OF CONTENTS

|  |           |
|--|-----------|
| <b>UTC Sponsored Program Activity</b> .....    | <b>2</b>  |
| Total External Awards/Submissions .....        | 3         |
| Awards/Submissions by Functional Area .....    | 4         |
| Ten-Year Funding Trends by College .....       | 5         |
| <b>Sponsored Activity by College</b> .....     | <b>6</b>  |
| Arts & Sciences .....                          | 6         |
| Business .....                                 | 17        |
| Engineering & Computer Science .....           | 19        |
| Health, Education & Professional Studies ..... | 29        |
| Administrative Units .....                     | 39        |
| <b>About OPSP</b> .....                        | <b>47</b> |

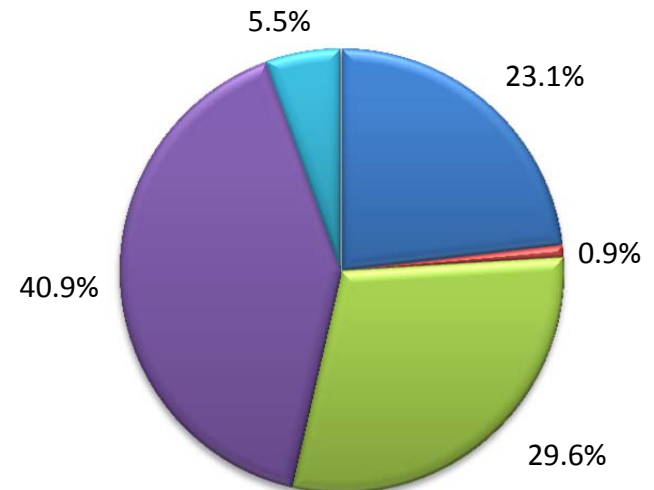
# UTC SPONSORED PROGRAM AWARDS & SUBMISSIONS FY 2014

**Total UTC External Funding:  
\$9,270,122**



- Arts & Sciences (\$1,400,863)
- Business Administration (\$0)
- Engineering & Computer Science (\$2,530,289)
- Health, Education & Professional Studies (\$4,630,660)
- Administrative Units (\$708,310)

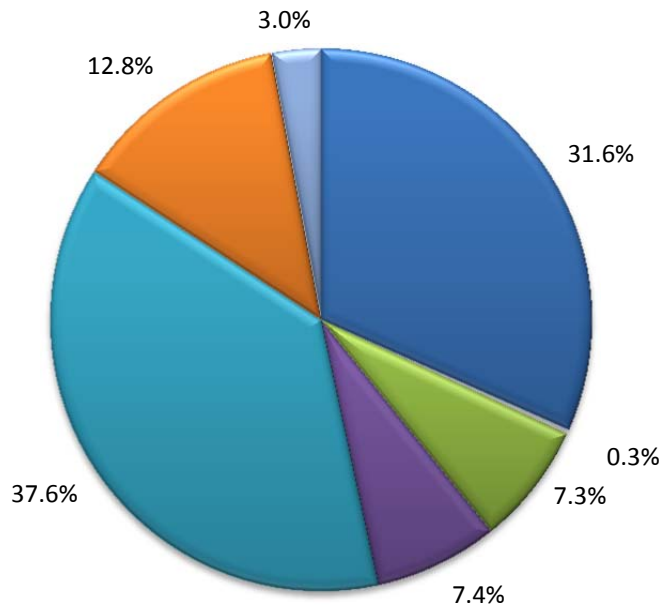
**Total External Funds Requested:  
\$15,439,230**



- Arts & Sciences (\$3,572,099)
- Business Administration (\$137,814)
- Engineering & Computer Science (\$4,568,711)
- Health, Education & Professional Studies (\$6,310,679)
- Administrative Units (\$849,927)

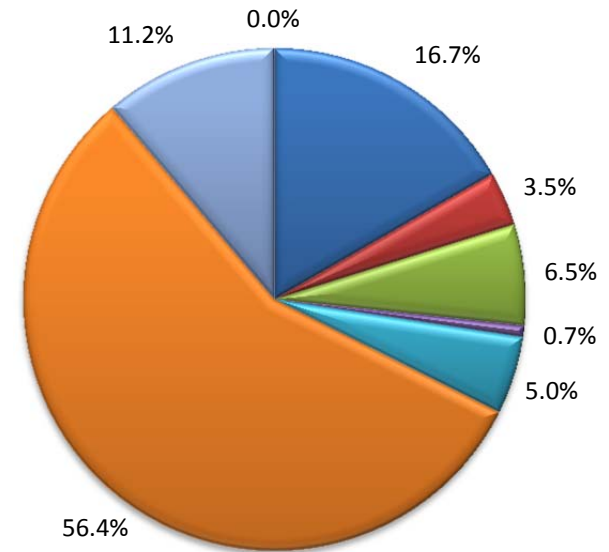
# UTC SPONSORED PROGRAMS BY FUNCTIONAL AREA\*

**FY 2014 Awards by Functional Area**



- Academic Services (\$2,932,920)
- Conference/Seminar (\$25,000)
- Instruction/Training (\$675,676)
- Public Service (\$686,281)
- Research (\$3,484,692)
- Scholarships/Fellowships (\$1,190,699)
- Student Services (\$274,854)

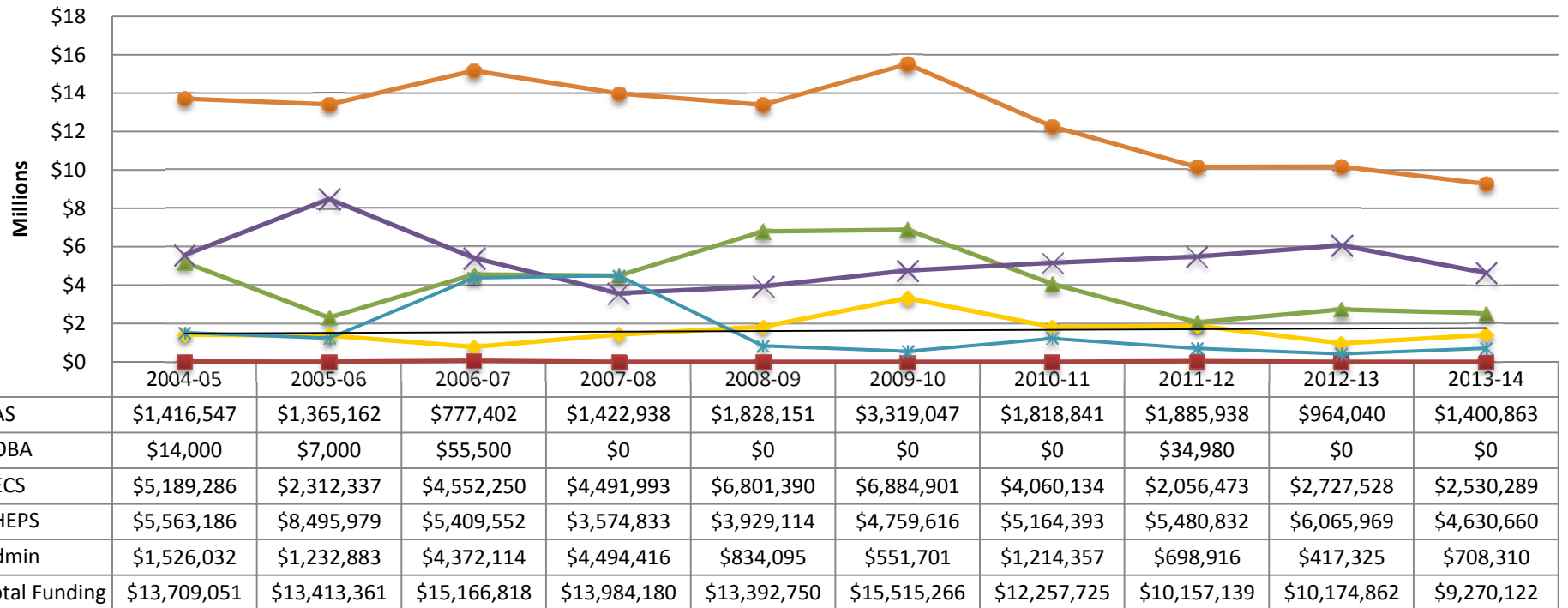
**FY 2014 Submissions by Functional Area**



- Academic Services (\$2,577,770)
- Conference/Seminar (\$536,478)
- Instruction/Training (\$1,001,189)
- Institutional Support (\$114,549)
- Public Service (\$774,019)
- Research (\$8,708,274)
- Scholarships/Fellowships (\$1,721,951)
- Student Services (\$5,000)

\*For Functional Area definitions, see <http://www.utc.edu/partnerships-sponsored-programs/tera-functionalareadefs.php>.

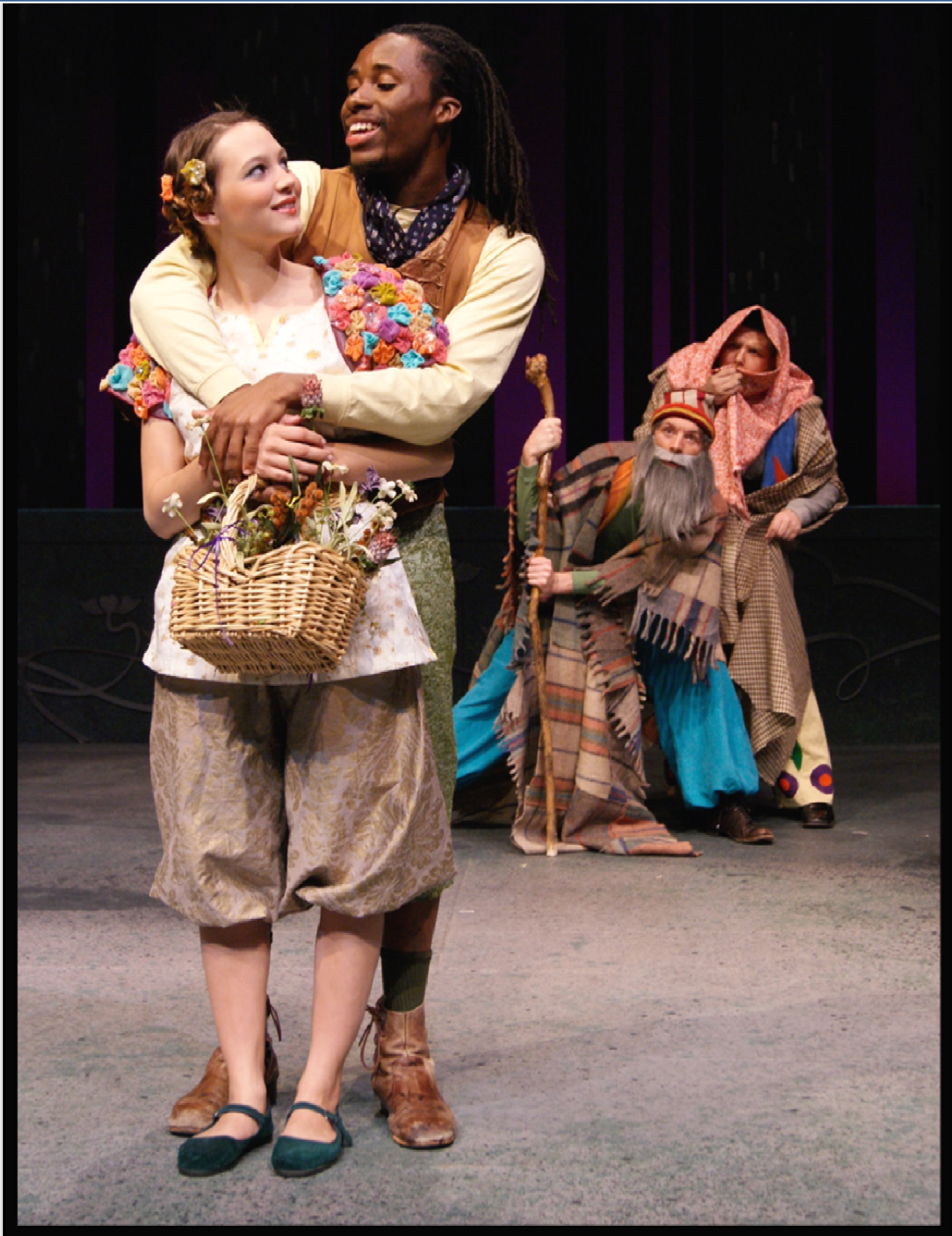
## TEN-YEAR FUNDING TRENDS BY COLLEGE, FISCAL YEARS 2005 - 2014



**Notes:**

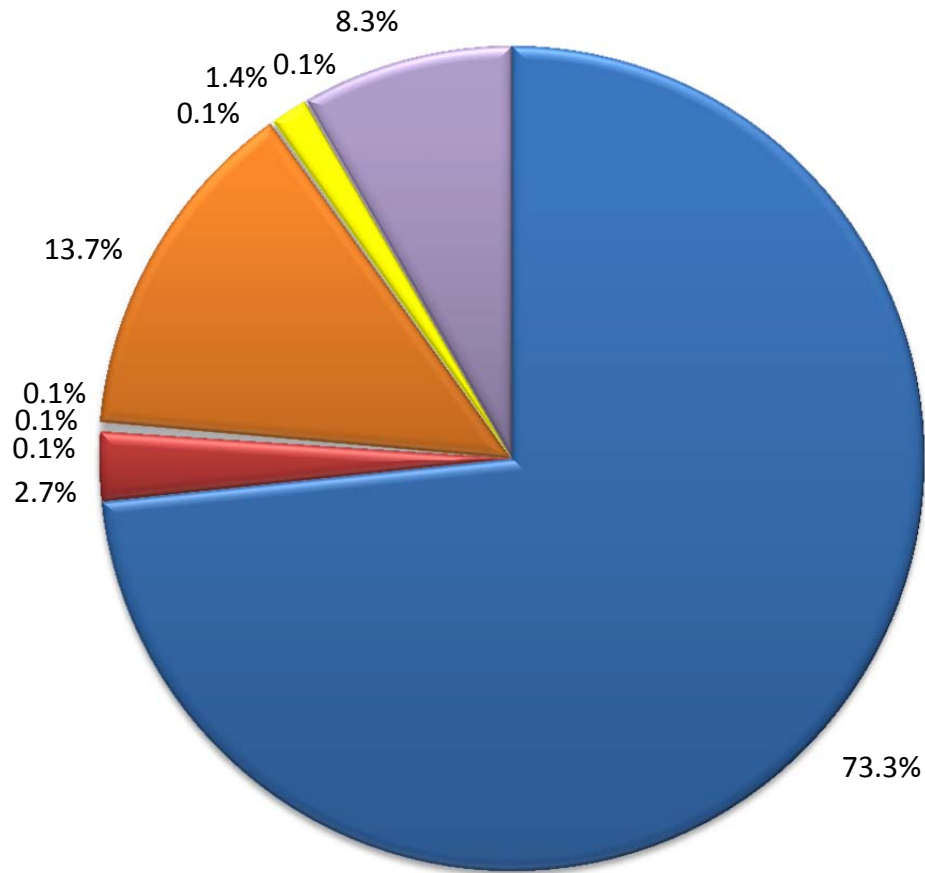
CAS = College of Arts & Sciences; COBA = College of Business Administration; CECS = College of Engineering & Computer Science; CHEPS = College of Health, Education, and Professional Studies; Admin = Administrative/Other Units.

# ARTS & SCIENCES



# ARTS & SCIENCES

## Total CAS External Funding: \$1,400,863

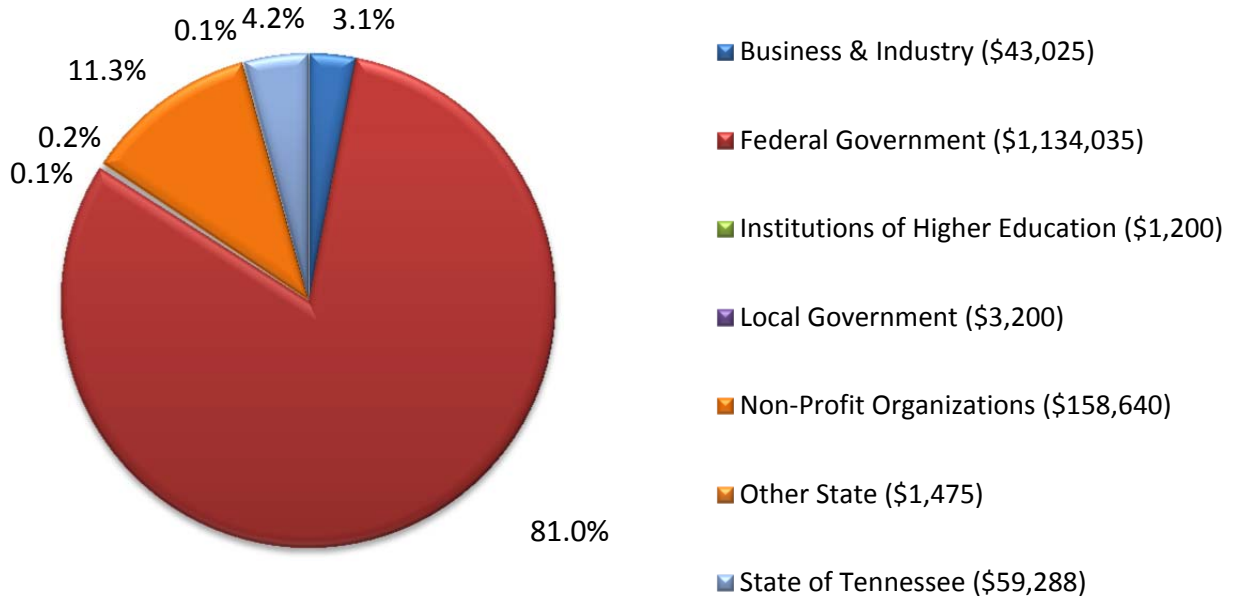


- Biological & Environmental Sciences (\$1,027,360)
- Criminal Justice (\$38,000)
- English (\$1,200)
- Humanities (\$2,000)
- Music (\$1,825)
- Philosophy & Religion (\$191,592)
- Physics, Geology, & Astronomy (\$1,608)
- Psychology (\$20,207)
- Sociology, Anthropology & Geography (\$958)
- Southeast Center for Education in the Arts (\$116,113)

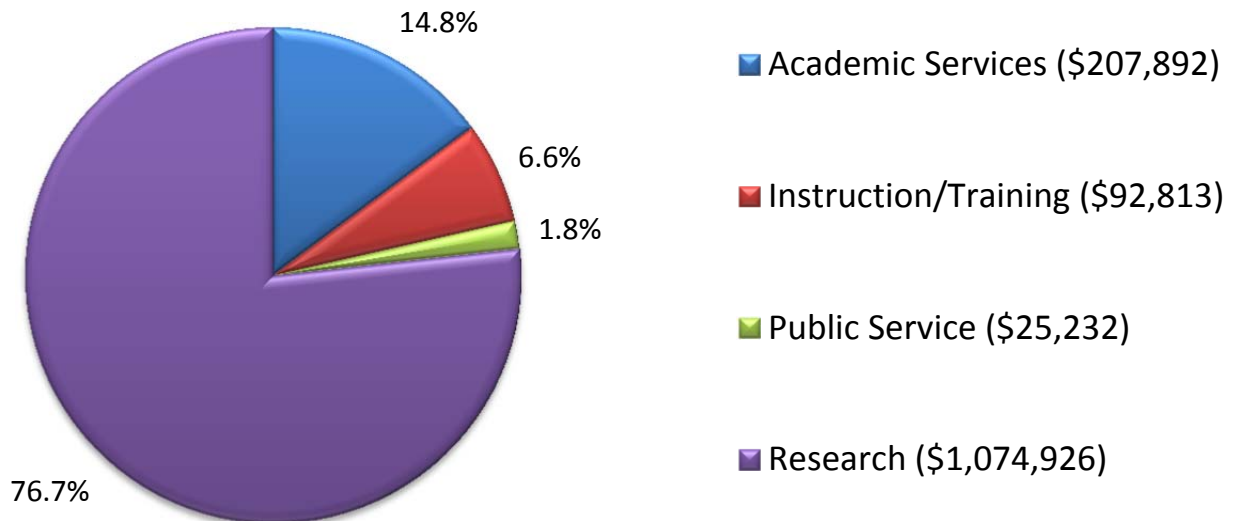


# ARTS & SCIENCES

## Awards by Source



## Awards by Functional Area



# ARTS & SCIENCES

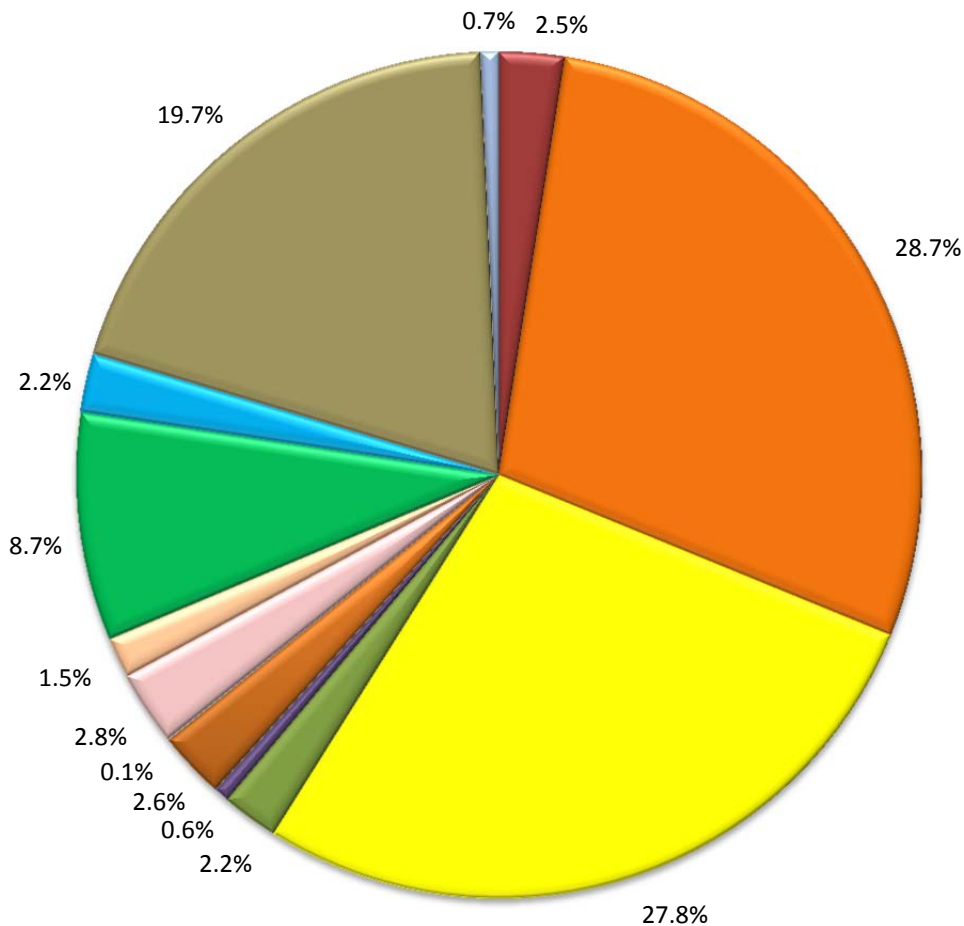
Notes: Awards are listed alphabetically by administering department and name of the lead PI, but many awards represent the collaborative efforts of multiple investigators and departments/units. Functional Areas (FA): AS = Academic Services; C/S = Conference/Seminar; IS = Institutional Support; I/T = Instruction/Training; PS = Public Service; R = Research; S/F = Scholarships/Fellowships; SS = Student Services.

| Awards by Department                           |  |  |              |     |
|--|--|--|--------------|-----|
| Lead PI/PD                                     | Funder   | Title  | Amount       | FA  |
| <b>Biological &amp; Environmental Sciences</b> |  |  |              |     |
| Aborn, David                                   | Tennessee Department of Environment and Conservation-Tennessee Wildlife Resources Agency | Population Biology of Northern Saw-whet Owls in South Cherokee National Forest   | \$3,500.00   | R   |
|  | Tennessee River Gorge Trust  | Assessing post-fledging survival and foraging habitat of Cerulean Warblers in the Tennessee River Gorge  | \$40,000.00  | R   |
| Barbosa, Jose                                  | NephroGenesis  | Efficacy of Lipocalin Mediated Binding and Displacement of Non-polar Uremic Toxins from Protein Binding Stores                                     | \$35,605.00  | R   |
| Boyd, Jennifer                                 | NSF - National Science Foundation  | MRI: Acquisition of growth chambers for global change biology research and research training at the University of Tennessee at Chattanooga         | \$342,945.00 | R   |
|  | S&ME   | Transplantation of Scutellaria montana from Hamilton County Parcel 121 010, TN   | \$5,812.00   | R   |
| Hayes, Loren                                   | NSF - National Science Foundation  | U.S.-Chile IRES: Intraspecific variation and genetic mechanisms of animal sociality  | \$249,801.00 | R   |
| Kajita, Yukie                                  | NSF - National Science Foundation  | A bio-economic study of an introduced biological control agent: ecological, evolutionary, and economic factors in sustainable agricultural systems | \$349,697.00 | R   |
| <b>Criminal Justice</b>                        |  |  |              |     |
| Eigenberg, Helen<br>Reese, Virginia            | Tennessee Coalition to End Domestic and Sexual Violence                                  | Senator Tommy Burks Victim Assistance Academy  | \$38,000.00  | I/T |
| <b>English</b>                                 |  |  |              |     |
| Jackson, Richard                               | Chattanooga State Technical Community College  | Meacham Writers' Workshops   | \$1,200.00   | PS  |
| <b>Humanities</b>                              |  |  |              |     |
| McClay, Bill                                   | The Jack Miller Center for Teaching America's Founding Principles and History            | 2013 Constitution Day Lecture  | \$2,000.00   | PS  |
| <b>Music</b>                                   |  |  |              |     |
| McNair, Jonathan                               | ArtsBuild  | Marian Anderson String Quartet Residency   | \$1,825.00   | PS  |
| <b>Philosophy &amp; Religion</b>               |  |  |              |     |
| Resnick, Irvn                                  | National Endowment for the Humanities  | Representations of the Other: Jews in Medieval England   | \$191,592.00 | AS  |
| <b>Physics &amp; Astronomy</b>                 |  |  |              |     |
| Mies, Jonathan                                 | Chattem, Inc.  | Chemical Analyses  | \$1,608.00   | R   |
| <b>Psychology</b>                              |  |  |              |     |
| Hood, Ralph                                    | Society for the Scientific Study of Religion   | Society for the Scientific Study of Religion (SSSR) 2014   | \$9,000.00   | PS  |

| Awards by Department                              |  |   |                    |     |
|---|--|---|--------------------|-----|
| Lead PI/PD  | Funder   | Title   | Amount             | FA  |
| <b>Psychology, Cont.</b>                          |  |   |                    |     |
| Warren, Amye                                      | United Way of Chattanooga                                | Amendment #6 for Services for Project Ready for School and Child Care Consortium 2011 | \$11,207.00        | PS  |
| <b>Sociology, Anthropology, &amp; Geography</b>   |  |   |                    |     |
| Honerkamp, Nicholas                               | St. Simons Land Trust                                    | A Proposal for Archaeological Survey and Testing at Cannon's Point, St. Simons        | \$958.00           | R   |
| <b>Southeast Center for Education in the Arts</b> |  |   |                    |     |
| Baxley, Joel                                      | Hamilton County Public Schools                           | 2013 Bookmaking Residency with Third Grade Students at Battle Academy                 | \$1,200.00         | AS  |
|   | Lusher Charter School                                    | Concept-Based Arts Integration: An Introductory Workshop                              | \$1,475.00         | I/T |
|   | South Arts   | Arts Education in the South: Phase II -- Profiles in Quality                          | \$40,000.00        | R   |
|   |  | Amendment: Arts Education in the South: Phase II -- Profiles in Quality               | \$5,000.00         | R   |
| Burgess, Susanne                                  | Tennessee Higher Education Commission                    | Literacy, The Arts, and the Common Core   | \$52,688.00        | I/T |
| Melnik, Laurie                                    | Community Foundation of Greater Chattanooga Incorporated | CommuniCreate   | \$10,000.00        | AS  |
|   | Hamilton County Public Schools                           | SCEA Literacy and the Arts Professional Development Work                              | \$2,000.00         | AS  |
|   | Hunter Museum of American Art                            | Training Frontline Staff at Hunter Museum   | \$300.00           | I/T |
|   | Public Education Foundation                              | Red Bank Elementary School Workshop   | \$350.00           | I/T |
| Wheatley, Kim                                     | Tennessee Arts Commission                                | 2014 National Arts & Education Forum  | \$3,100.00         | AS  |
| <b>Arts &amp; Sciences Total Dollars Awarded:</b> |  |   | <b>\$1,400,863</b> |     |

# ARTS & SCIENCES

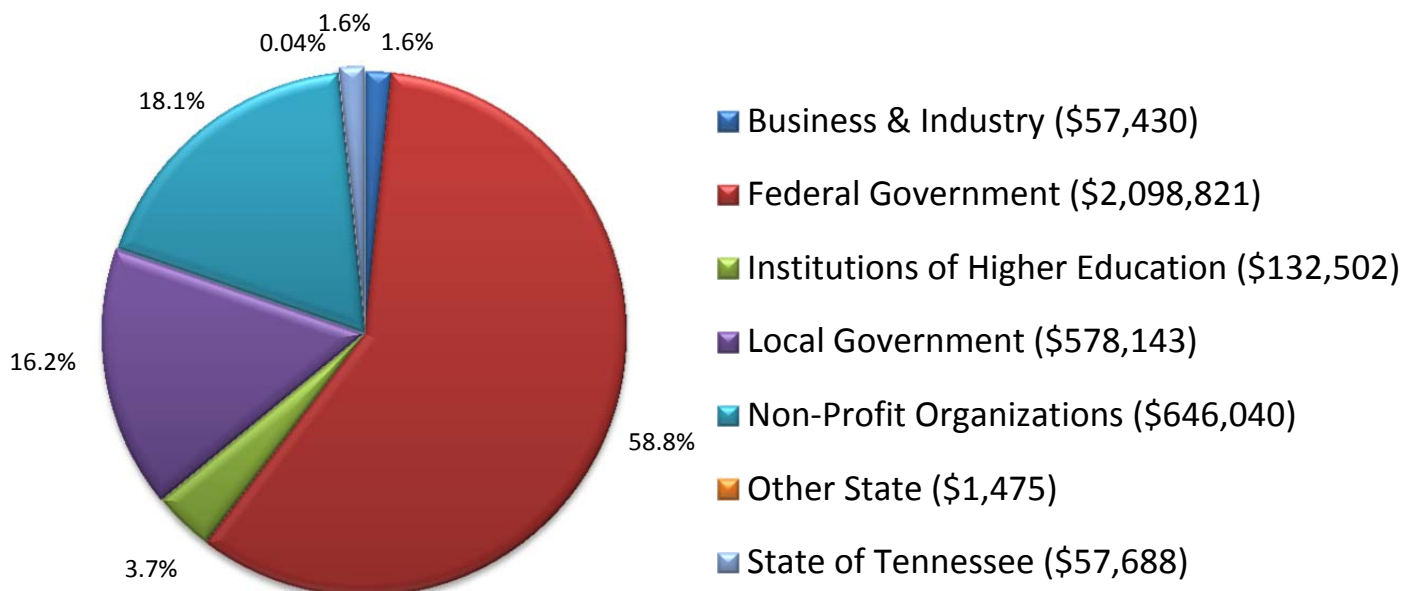
**Total CAS Funds Requested: \$3,572,099**



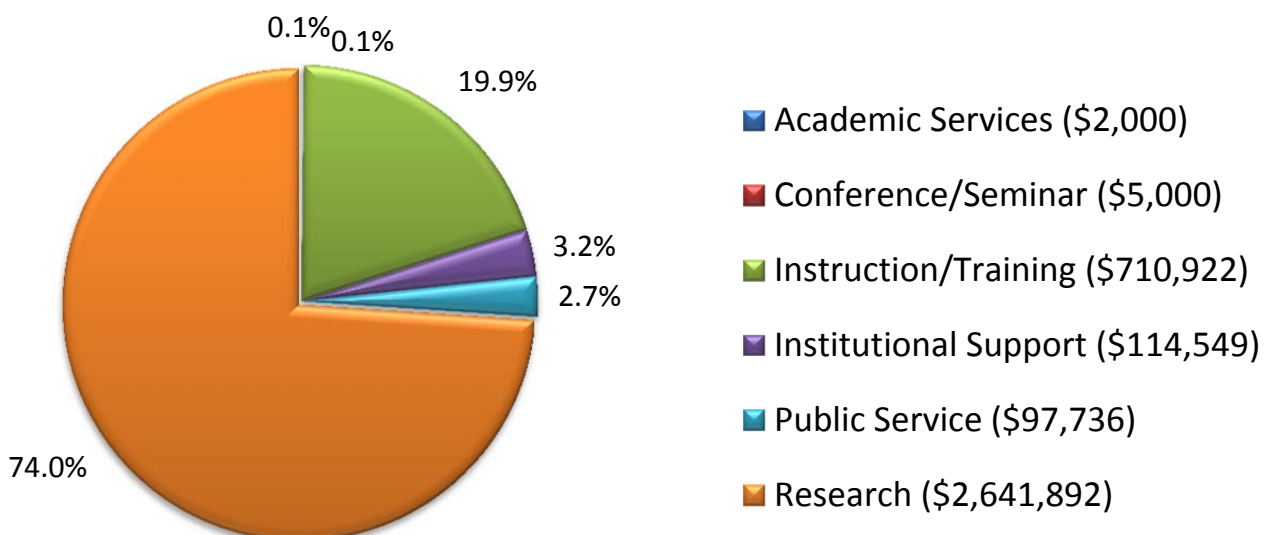
- Art (\$89,549)
- Biological & Environmental Sciences (\$1,024,203)
- Chemistry (\$991,305)
- Criminal Justice (\$77,996)
- History (\$19,990)
- Mathematics (\$91,129)
- Music (\$2,000)
- Physics, Geology & Astronomy (\$101,393)
- Political Science, Public Admin & Nonprofit Mgmt (\$55,040)
- Psychology (\$311,396)
- Sociology, Anthropology & Geography (\$80,165)
- Southeast Center for Education in the Arts (\$702,933)
- STEM Education (\$25,000)

# ARTS & SCIENCES

## Submissions by Source



## Submissions by Functional Area



# ARTS & SCIENCES

Notes: Submissions are listed alphabetically by administering department and name of the lead PI, but many awards represent the collaborative efforts of multiple investigators and departments/units. Functional Areas (FA): AS = Academic Services; C/S = Conference/Seminar; IS = Institutional Support; I/T = Instruction/Training; PS = Public Service; R = Research; S/F = Scholarships/Fellowships; SS = Student Services.

| Submissions by Department                      |   |  |              |    |
|--|---|--|--------------|----|
| Lead PI/PD                                     | Sponsor   | Title  | Amount       | FA |
| <b>Art</b>                                     |   |  |              |    |
| Grover, Ruth                                   | National Endowment for the Humanities               | Weimar Pursell Collection  | \$89,549.00  | IS |
| Vogel, Christina                               | Clark Hulings Foundation                            | INDIVIDUAL: Support for Christina Vogel's studio work  | --           | SF |
| <b>Biological &amp; Environmental Sciences</b> |   |  |              |    |
| Aborn, David                                   | Tennessee River Gorge Trust                         | Assessing post-fledging survival and foraging habitat of Cerulean Warblers in the Tennessee River Gorge  | \$40,000.00  | R  |
| Barbosa, Jose                                  | NephroGenesis                                       | Efficacy of Lipocalin Mediated Binding and Displacement of Non-polar Uremic Toxins from Protein Binding Stores   | \$50,010.00  | R  |
| Boyd, Jennifer                                 | S&ME  | Transplantation of Scutellaria montana from Hamilton County Parcel 121 010, TN   | \$5,812.00   | R  |
| Chatzimanolis, Stylianos                       | NSF - National Science Foundation                   | PRELIMINARY: RUI: ARTS: Evolution of xanthopygine rove beetles: exploring the role of geological and biotic factors in the diversification of a major Neotropical lineage. | --           | R  |
| Kajita, Yukie                                  | NSF - National Science Foundation                   | A bio-economic study of an introduced biological control agent: ecological, evolutionary, and economic factors in sustainable agricultural systems                         | \$349,697.00 | R  |
| Klug, Hope                                     | NSF - National Science Foundation                   | PRELIMINARY: The Operation of Sexual Selection Revisited   | --           | R  |
| Shaw, Joey                                     | NSF - National Science Foundation                   | Digitization TCN: Collaborative Research: The Key to the Cabinets: Building and sustaining a research database for a global biodiversity hotspot                           | \$301,163.00 | R  |
|  |   | Tennessee Herbarium Consortium Digitization of Specimens Toward a State Virtual Herbarium.   | \$277,521.00 | R  |
| <b>Chemistry</b>                               |   |  |              |    |
| Lee, John                                      | American Chemical Society Petroleum Research Fund   | Synthesis, Characterization and Reactivity of Ruthenium(II) Complexes Supported by an Electron-Rich p-cymene Ligand for Small Molecule Activation and Catalysis            | \$55,000.00  | R  |
| Potts, Gretchen                                | DHHS - NIH - National Institutes of Health          | In-depth analysis of e-cigarette filling solutions and their biological implications   | \$336,313.00 | R  |
| Santiago, Manuel                               | UT Health Science Center                            | Marinobufagenins: A Retained Product of Uremia and Its Contribution to Refractory Hypertension in ESRD Populations   | \$7,656.00   | R  |
|  | NSF - National Science Foundation                   | REU Site - Collaborative Interdisciplinary Research Program  | \$335,511.00 | R  |
| Symes, Steven                                  | NSF - National Science Foundation                   | MRI: Acquisition of ICP-MS for Use in Environmental, Geochemical, and Human Health Research at UTC   | \$256,825.00 | R  |
| <b>Criminal Justice</b>                        |   |  |              |    |
| Park, Seong                                    | US Dept. of Justice - National Institute Of Justice | Group-based Trajectories of Repeat Victimizations and Interactive Effect of Perpetrators' Selectivity: Repeat Measure Zero-inflated Analysis of the 2008-2012 NCVS         | \$39,996.00  | R  |

| Submissions by Department   |  |  |              |     |
|---|--|--|--------------|-----|
| Lead PI/PD  | Sponsor  | Title  | Amount       | FA  |
| <b>Criminal Justice, Cont.</b>  |  |  |              |     |
| Eigenberg, Helen<br>Reese, Virginia   | Tennessee Coalition to<br>End Domestic and<br>Sexual Violence  | Senator Tommy Burks Victim Assistance Academy  | \$38,000.00  | I/T |
| <b>History</b>  |  |  |              |     |
| Swanson, John   | Community Foundation<br>of Greater Chattanooga<br>Incorporated | In Search of Engel Stadium: A Chattanooga Story  | \$19,990.00  | PS  |
|   |  | PRELIMINARY: In Search of Engel Stadium: A<br>Chattanooga Story  | --           | PS  |
| <b>Mathematics</b>  |  |  |              |     |
| Gao, Cuilan   | Oak Ridge Associated<br>Universities                           | A Phenotype-driven Approach to Co-expressed Genes<br>Analyses with Application to Childhood Cancer Study   | \$5,000.00   | R   |
|   | University of<br>Massachusetts Lowell                          | Collaborative Research: From Big Data to Smart Data:<br>A High Performance Cloud Computing Infrastructure<br>for Biomedical Informatics Research and Education | \$81,128.50  | R   |
| Wang, Min   | Oak Ridge Associated<br>Universities                           | A Stochastic Model of Nosocomial Epidemics in<br>Hospital Intensive Care Units   | \$5,000.00   | R   |
| <b>Modern &amp; Classical Languages &amp; Literatures</b>                   |  |  |              |     |
| Apgar, Richard  | National Endowment for<br>the Humanities                       | INDIVIDUAL: NEH Summer Stipend for Dr. Rick Apgar  | --           | SF  |
| <b>Music</b>  |  |  |              |     |
| McNair, Jonathan  | ArtsBuild  | Marian Anderson String Quartet Residency   | \$2,000.00   | PS  |
| <b>Physics, Geology, &amp; Astronomy</b>                                    |  |  |              |     |
| Brock-Hon, Amy  | NSF - National Science<br>Foundation                           | Collaborative Research to Study Barite: A Potentially<br>Transformative, New Target Mineral for 40Ar/39Ar<br>Geochronology.                                    | \$90,257.00  | R   |
| Hamblen, Joshua   | DOE - US Dept. of Energy                                       | PRELIMINARY: Measurements of Fundamental<br>Symmetries with Polarized Cold Neutrons  | --           | R   |
| Mies, Jonathan  | Chattem, Inc.  | Chemical Analyses 2014-15  | \$1,608.00   | R   |
| Whitson, Kristin  | Alliance of Women<br>Philanthropists - Giving<br>Circle        | UTC Students Volunteer for Science (UTCSVS): a<br>service organization for the betterment of STEM<br>education in the Chattanooga area                         | \$9,528.00   | PS  |
| <b>Political Science, Public Administration, &amp; Nonprofit Management</b> |  |  |              |     |
| Banerjee, Vasabjit  | Smith Richardson<br>Foundation, Inc.                           | The Iron-law of Peasant Revolutions- Book Proposal   | \$55,040.00  | R   |
| Bellar, Stephanie   | National Endowment for<br>the Humanities                       | INDIVIDUAL: NEH Summer Stipend for Stephanie<br>Bellar   | --           | SF  |
| <b>Psychology</b>   |  |  |              |     |
| Foerder, Preston  | Western Kentucky<br>University                                 | PRELIMINARY: Collaborative Research RUI: Elephant<br>Learning, Cognitive Processes and HEC   | --           | R   |
| Hood, Ralph   | University of Tennessee<br>- Knoxville                         | Beyond the Shroud: Discerning Jesus in the Mind's Eye  | \$43,717.00  | R   |
|   | Society for the Scientific<br>Study of Religion                | Society for the Scientific Study of Religion (SSSR) 2014   | \$9,000.00   | PS  |
| McDaniel, Brenda  | John Templeton<br>Foundation                                   | Other-Orientated and Internally-Inspired Virtues:<br>Assessments of Generosity, Honesty, and Forgiveness<br>along with Purpose, Joy, and Gratitude             | \$247,472.00 | R   |
| Ozbek, Irene  | Alzheimer's Drug<br>Discovery Foundation                       | PRELIMINARY: Retinal Imaging of b-amyloid Plaques in<br>Humans for Use as an Early Detectable Biomarker  | --           | R   |

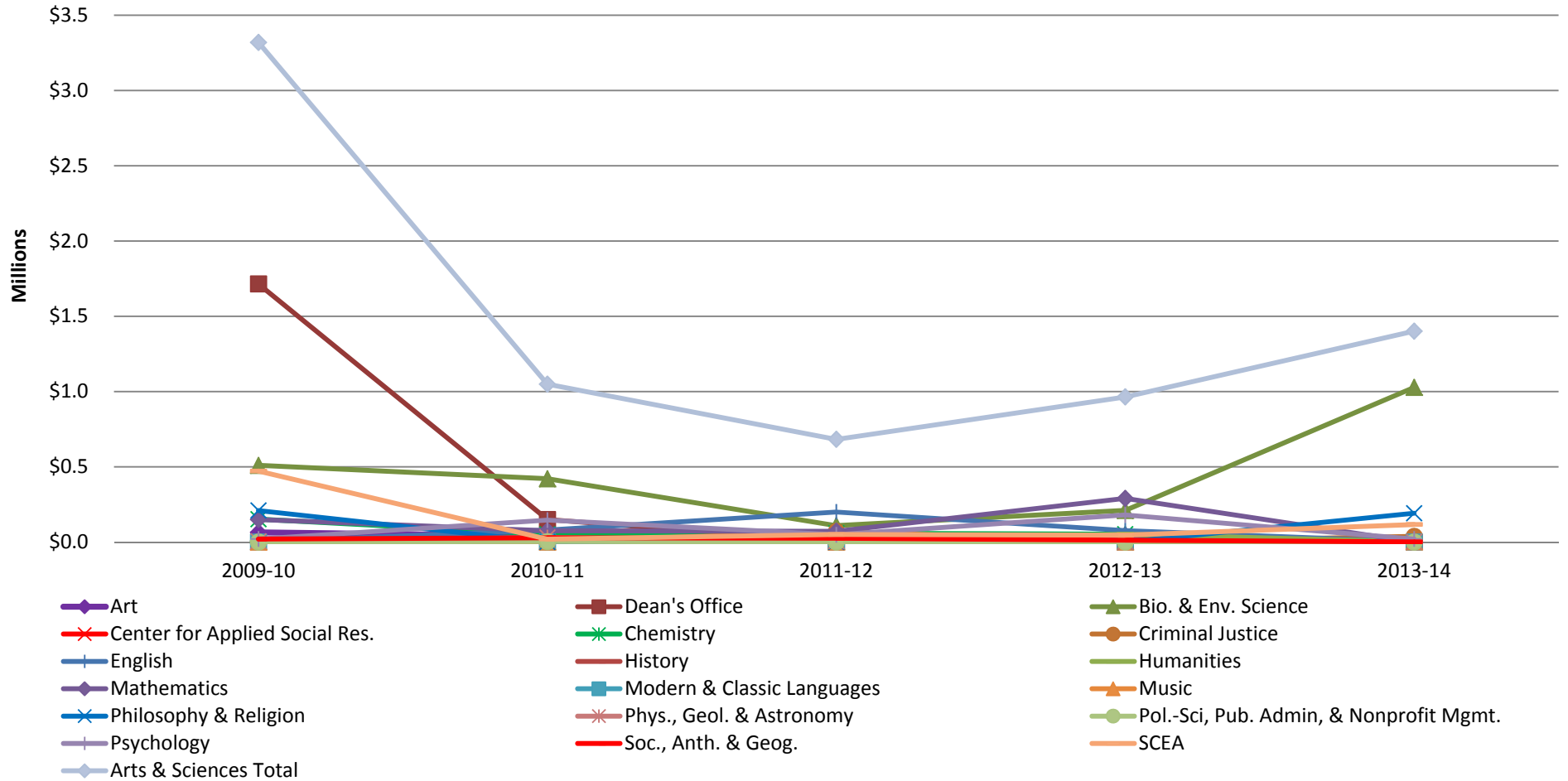
| Submissions by Department                           |  |   |                    |     |
|---|--|---|--------------------|-----|
| Lead PI/PD  | Sponsor  | Title   | Amount             | FA  |
| Warren, Amye  | United Way of Chattanooga                                | Amendment 9 to Services for Project Ready for School and Child Care Consortium                          | \$11,207.00        | R   |
| <b>Sociology, Anthropology, &amp; Geography</b>     |  |   |                    |     |
| Guo, Zibin  | Christopher & Dana Reeve Foundation                      | Development of a Seated/Wheelchair Tai Chi Instruction Website  | \$17,617.00        | PS  |
|   | Craig H. Neilsen Foundation                              | PRELIMINARY: Wheelchair Tai Chi Chuan Online Website and Impact Research                                | --                 | R   |
|   | Disabled American Veterans Charitable Trust              | Providing Disabled veterans with a evidence-based mind & body fitness program through website           | \$17,067.00        | PS  |
|   | Paralyzed Veterans Of America                            | Wheelchair Tai Chi Online   | \$22,534.00        | PS  |
| Honerkamp, Nicholas                                 | St. Simons Land Trust                                    | A Proposal for Archaeological Survey, Mapping and Testing at Cannon's Point, St. Simons Island, Georgia | \$958.00           | R   |
| Maynard, Gary                                       | National Endowment for the Humanities                    | NEH Enduring Questions Course Development - "Humans: Just Another Animal or Something More?"            | \$21,989.00        | I/T |
| <b>Southeast Center for Education in the Arts</b>   |  |   |                    |     |
| Baxley, Joel  | South Arts   | Amendment: Arts Education in the South: Phase II -- Profiles in Quality                                 | \$5,000.00         | R   |
|   |  | Arts Education in the South: Phase II -- Profiles in Quality  | \$40,000.00        | R   |
|   | Hamilton County Public Schools                           | Bookmaking Residency with Third Grade Students at Battle Academy 2014                                   | \$1,200.00         | I/T |
|   | Lusher Charter School                                    | Concept-Based Arts Integration: An Introductory Workshop  | \$1,475.00         | I/T |
| Burgess, Susanne                                    | Tennessee Higher Education Commission                    | Literacy, The Arts, and the Common Core   | \$52,688.00        | I/T |
| Melnik, Laurie                                      | Tennessee Arts Commission                                | 2015 Arts and Education Forum   | \$5,000.00         | C/S |
|   | Hamilton County Public Schools                           | IMAGINE! PLC  | \$574,943.00       | I/T |
|   |  | SCEA Literacy and the Arts Professional Development Workshop at Barger Academy                          | \$2,000.00         | AS  |
|   | Community Foundation of Greater Chattanooga Incorporated | Literacy, The Arts, and the Common Core   | \$19,977.00        | I/T |
|   | Public Education Foundation                              | Red Bank Elementary School Workshop   | \$350.00           | I/T |
| Hunter Museum of American Art                       | Training Frontline Staff at Hunter Museum                | \$300.00  | I/T                |     |
| <b>STEM Education</b>                               |  |   |                    |     |
| Kovach, Margaret                                    | George R. Johnson Family Foundation                      | UTC STEM Education Program  | \$25,000.00        | IS  |
| <b>Arts &amp; Sciences Total Dollars Requested:</b> |  |   | <b>\$3,572,099</b> |     |



# ARTS & SCIENCES

## FIVE-YEAR FUNDING TRENDS BY DEPARTMENT

### FISCAL YEARS 2010 - 2014





# BUSINESS

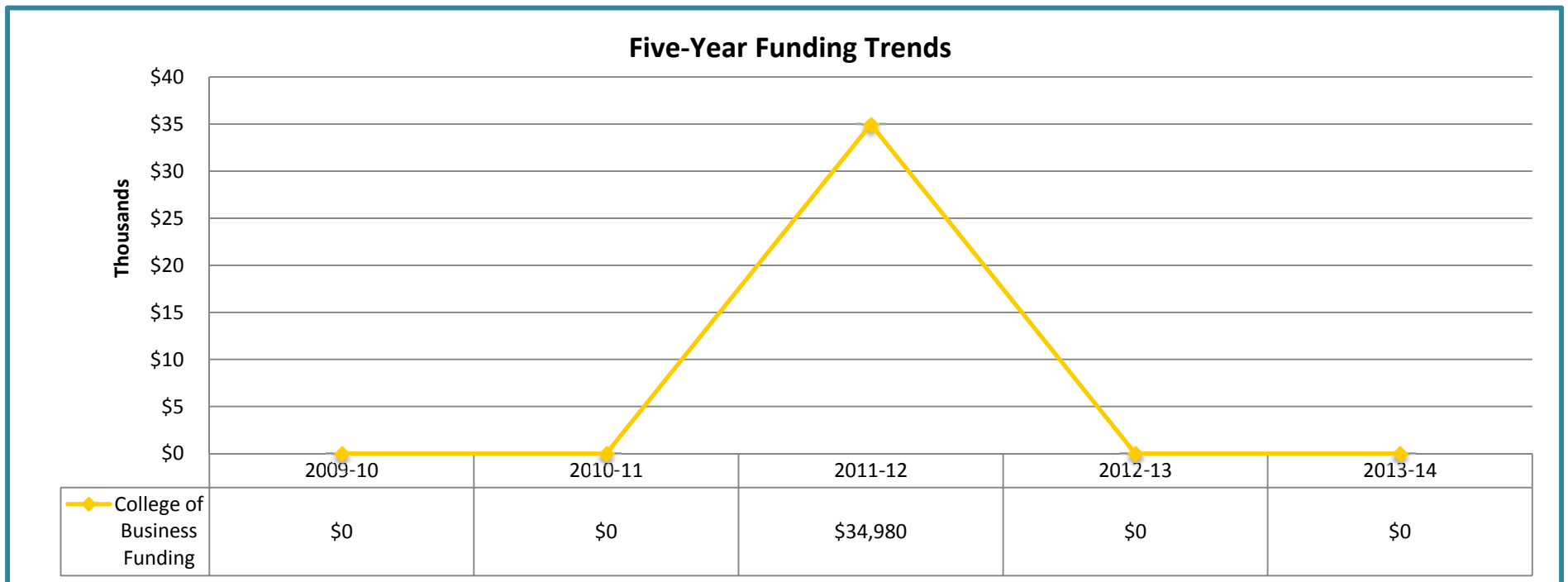


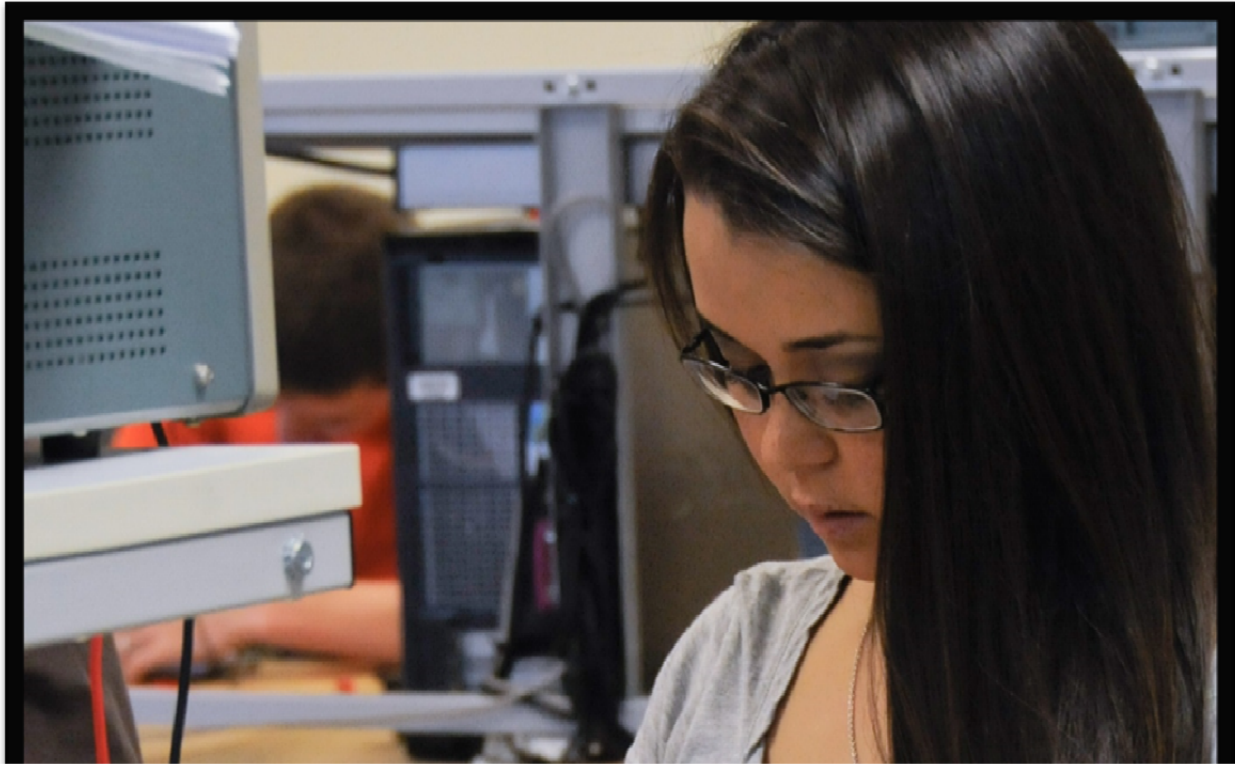
# COLLEGE OF BUSINESS

**FY 2014 External Funding: \$0**

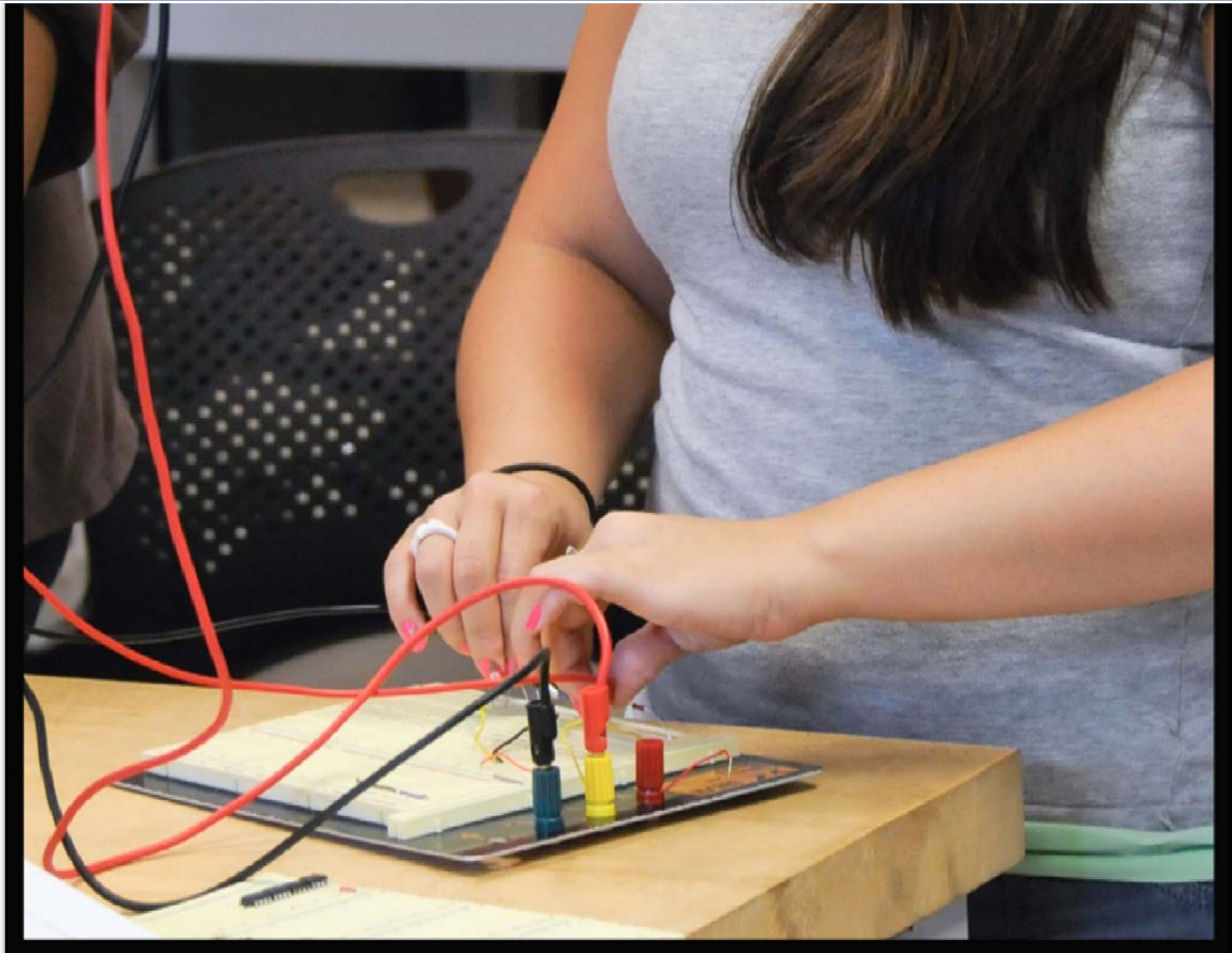
**FY 2014 External Funds Requested: \$137,814**

| College of Business Submission |                         |  |              |    |
|--------------------------------|-------------------------|--|--------------|----|
| Lead PI                        | Funder                  | Title  | Amount       | FA |
| Gupta, Ashish                  | Morgan State University | University of Maryland Medical Center - Midtown Campus Emergency Dept Electronic Medical Record Implementation Project | \$137,814.00 | R  |



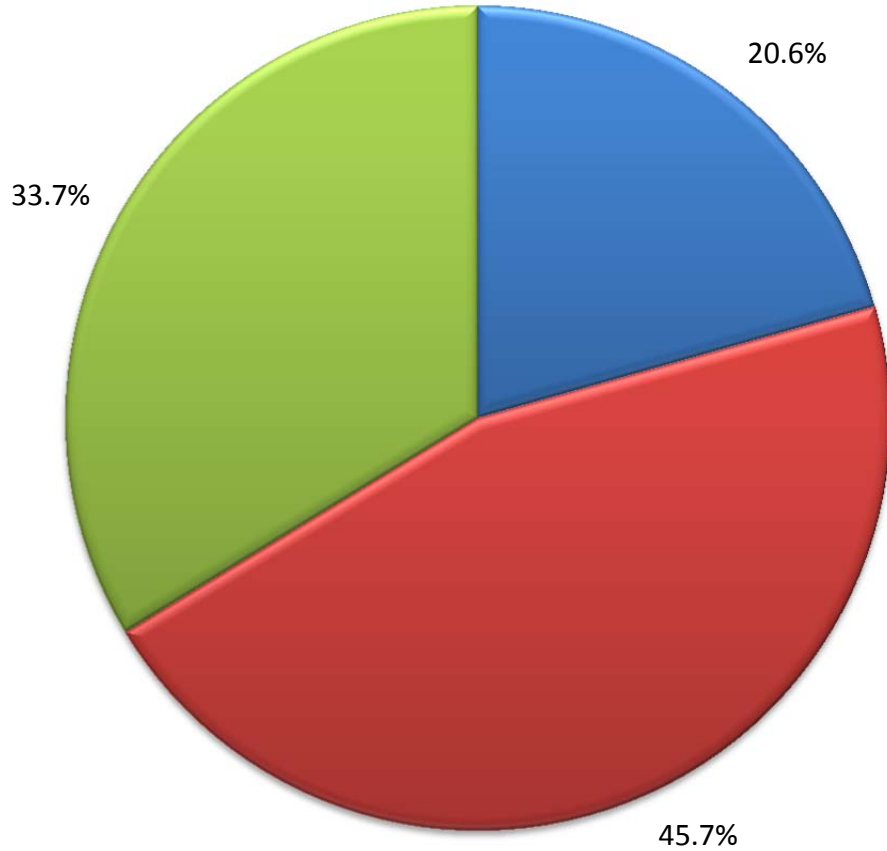


## ENGINEERING & COMPUTER SCIENCE



# ENGINEERING & COMPUTER SCIENCE

**Total CECS External Funding: \$2,530,289**



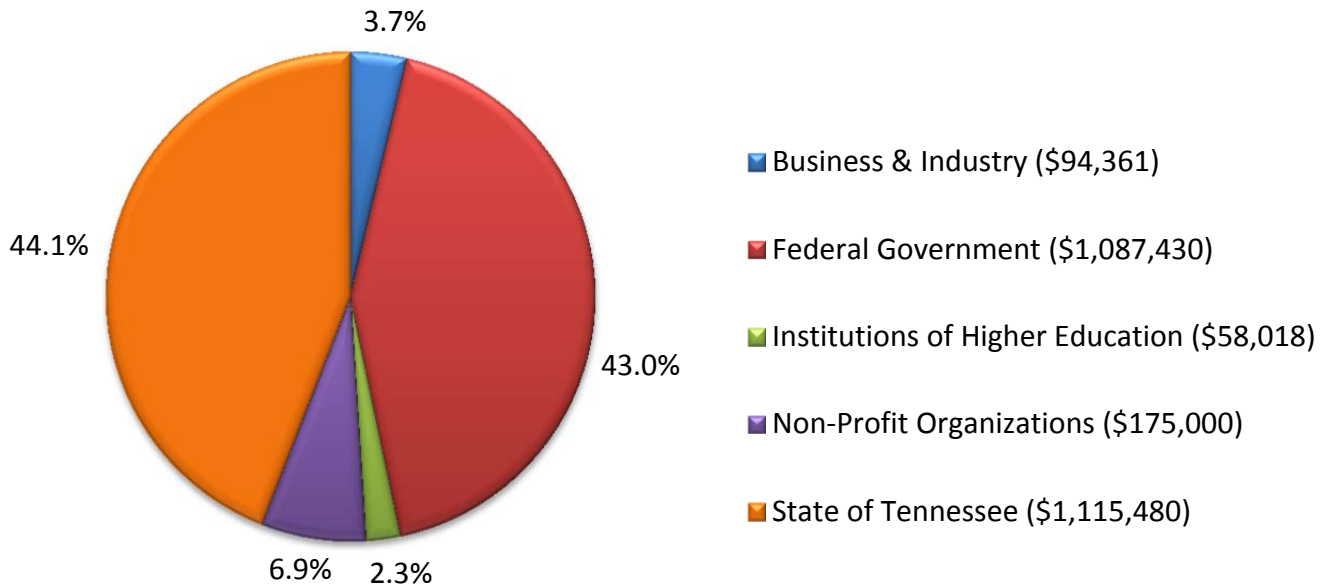
■ Computer Science (\$522,116)

■ Engineering (\$1,155,998)

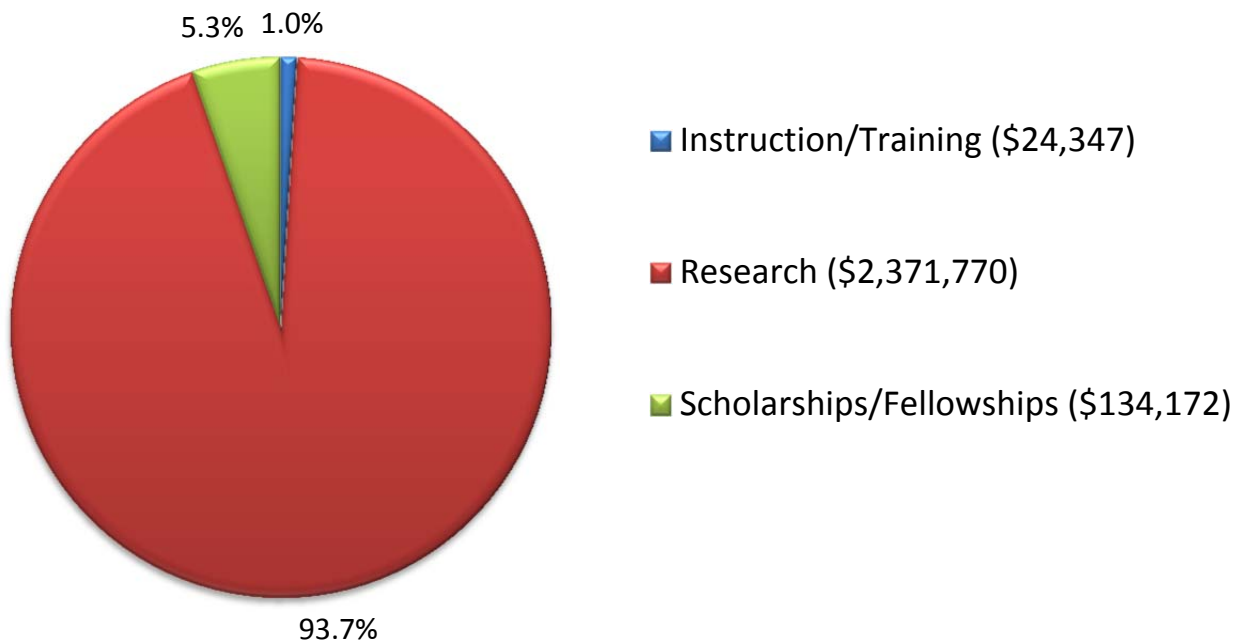
■ SimCenter (\$852,175)

# ENGINEERING & COMPUTER SCIENCE

## Awards by Source



## Awards by Functional Area



# ENGINEERING & COMPUTER SCIENCE

Notes: Awards are listed alphabetically by administering department and name of the lead PI, but many awards represent the collaborative efforts of multiple investigators and departments/units. Functional Areas (FA): AS = Academic Services; C/S = Conference/Seminar; IS = Institutional Support; I/T = Instruction/Training; PS = Public Service; R = Research; S/F = Scholarships/Fellowships; SS = Student Services.

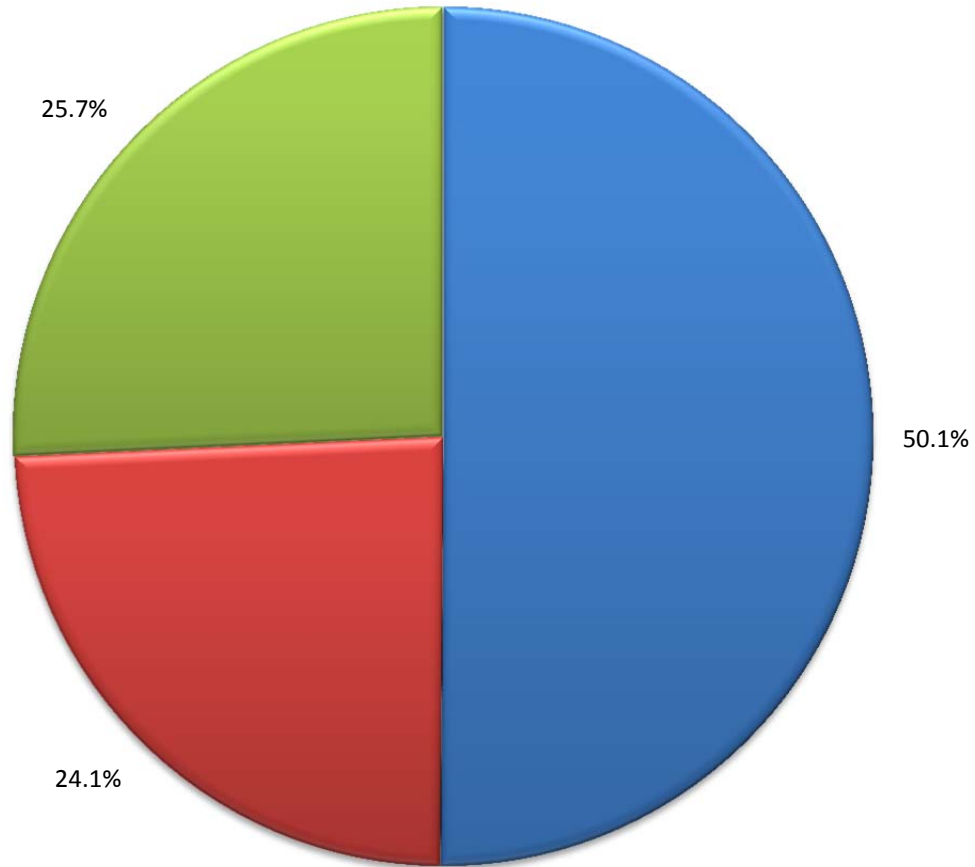
| Awards by Department    |  |   |              |     |
|-------------------------|--|---|--------------|-----|
| Lead PI/PD              | Funder   | Title   | Amount       | FA  |
| <b>Computer Science</b> |  |   |              |     |
| Liang, Yu               | Central State University   | A Design Proposal for the Center of Cyber Sensor Networks for Human and Environmental Actions                           | \$17,500.00  | R   |
| Sartipi, Mina           | DHHS - NIH - National Institute of Biomedical Imaging and Bioengineering | mStroke: Mobile Technology for Post-Stroke Recurrence Prevention and Recovery   | \$384,747.00 | R   |
| Yang, Li                | NSF - National Science Foundation  | EDU: Collaborative Research: Bolstering Security Education through Transiting Research on Browser Security              | \$119,869.00 | R   |
| <b>Engineering</b>      |  |   |              |     |
| Alp, Neslihan           | Tennessee Higher Education Commission                                    | Center of Excellence in Applied Computational Science and Engineering   | \$773,015.00 | R   |
| Onyango, Mbakisya       | Tennessee Department of Transportation                                   | Retrace Pavement Marking Retroreflectivity levels in Tennessee Highways   | \$219,632.00 | R   |
|                         | University of Tennessee - Knoxville                                      | Optimize Application of Open Graded Friction Courses (OGFC) In Tennessee  | \$40,518.00  | R   |
| Owino, Joseph           | Tennessee Board of Architectural and Engineering Examiners               | TBAEE - Civil Engineering   | \$24,347.00  | I/T |
| Rollins, A. Brent       | Confidential   | Infrastructure Assessment   | \$77,000.00  | R   |
| Wigal, Cecelia          | Tennessee Department of Education-Division of Special Education          | Technology Designed to Benefit (TDB) 2012-2015  | \$21,486.00  | R   |
| <b>SimCenter</b>        |  |   |              |     |
| Anderson, Kyle          | SmartTruck Systems, LLC  | Simulation of Drag Reduction Devices for Smart Truck Systems  | \$10,593.00  | R   |
|                         |  | Simulation of Drag Reduction Devices for Smart Truck Systems, Amendment 2   | \$10,593.00  | R   |
| Hilbert, Christopher    | Cormetech, Inc.  | Preliminary Simulation of Cormetech's Catalytic Extrusion Process   | \$5,297.00   | R   |
| Hyams, Daniel           | SimCenter Enterprises, Inc.  | Tenasi-SWCu:Development of an Unstructured Shallow Water Solution Algorithm for Flooding Applications with Contaminants | \$35,000.00  | R   |
| Karman, Steve           | Office Of Naval Research   | Adaptive Meshing of Ship Air-Wake Flowfields  | \$60,000.00  | R   |
|                         |  | Adaptive Meshing of Ship Air-Wake Flowfields, Year 2  | \$98,474.00  | R   |
|                         | Tennessee Valley Authority   | Mesh Demo for TVA   | \$10,000.00  | R   |
| McDonald, Henry         | SimCenter Enterprises, Inc.  | Four computational engineering projects and oversight by Dr. McDonald   | \$10,000.00  | R   |
|                         |  | Expense Contract for Henry McDonald's Travel & Other Expenses Benefiting SCE  | \$25,000.00  | R   |

| Awards by Department   |                                   |   |                    |     |
|--|-----------------------------------|---|--------------------|-----|
| Lead PI/PD   | Funder                            | Title   | Amount             | FA  |
| Nichols, Stephen   | CHI Engineering                   | Physics-Based Simulation of Potential LNG Spillage  | \$18,832.00        | R   |
|  |                                   | Physics-Based Simulation of Potential LNG Spillage – Amendment 1                                  | \$29,046.00        | R   |
|  | SimCenter Enterprises, Inc.       | Simplified Modeling of Buoyant, Precipitant, and Explosive Events with the Scalar Transport Model | \$35,000.00        | R   |
| Pankajakshan, Ramesh   | SimCenter Enterprises, Inc.       | Faster than Real Time Particle Module for Disaster Mitigation System Applications                 | \$35,000.00        | R   |
| Sreenivas, Kidambi   | SimCenter Enterprises, Inc.       | From LiDar to Geometry: An Assessment of Available Tools  | \$35,000.00        | R   |
|  | NSF - National Science Foundation | Towards First-Principles Based Wake and Wake Interaction Models for Wind Farm Layout Optimization | \$20,000.00        | R   |
| Sutton, William  | US Dept. of Education             | Graduate Student Resources to Support Growth in Computational Engineering                         | \$134,172.00       | S/F |
| Taylor, Lafayette  | Tennessee Valley Authority        | Analysis of Flooding Conditions on the Tennessee and Little Tennessee Rivers                      | \$40,168.00        | R   |
|  | Office Of Naval Research (AS400)  | Hydrodynamic Drag Reduction   | \$220,000.00       | R   |
| Webster, Robert  | Confidential                      | Confidential  | \$20,000.00        | R   |
| <b>Engineering &amp; Computer Science Total Dollars Awarded:</b> |                                   |   | <b>\$2,530,289</b> |     |



# ENGINEERING & COMPUTER SCIENCE

**Total CECS External Funds Requested:  
\$4,568,711**



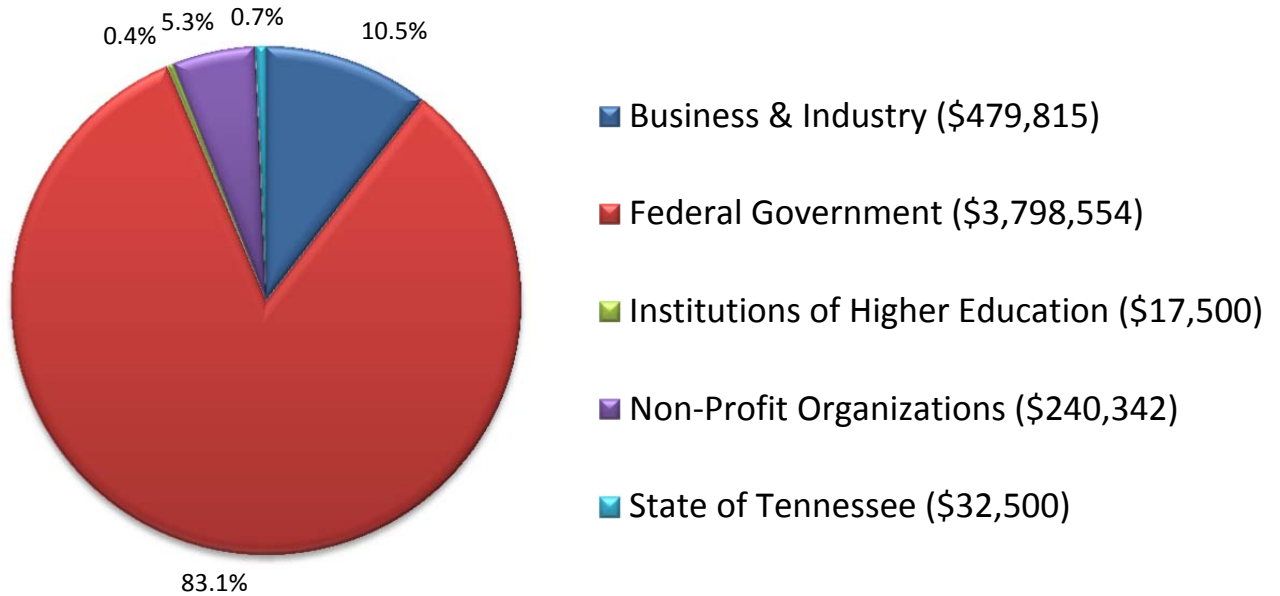
■ Computer Science (\$2,289,587)

■ Engineering (\$1,103,151)

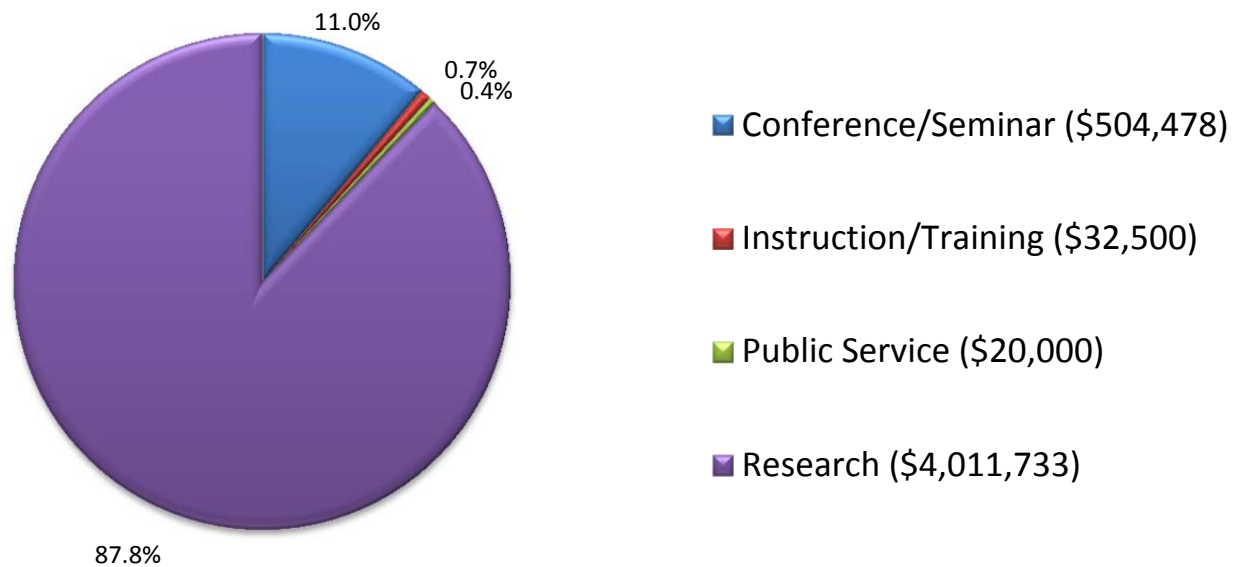
■ SimCenter (\$1,175,973)

# ENGINEERING & COMPUTER SCIENCE

## Submissions by Source



## Submissions by Functional Area



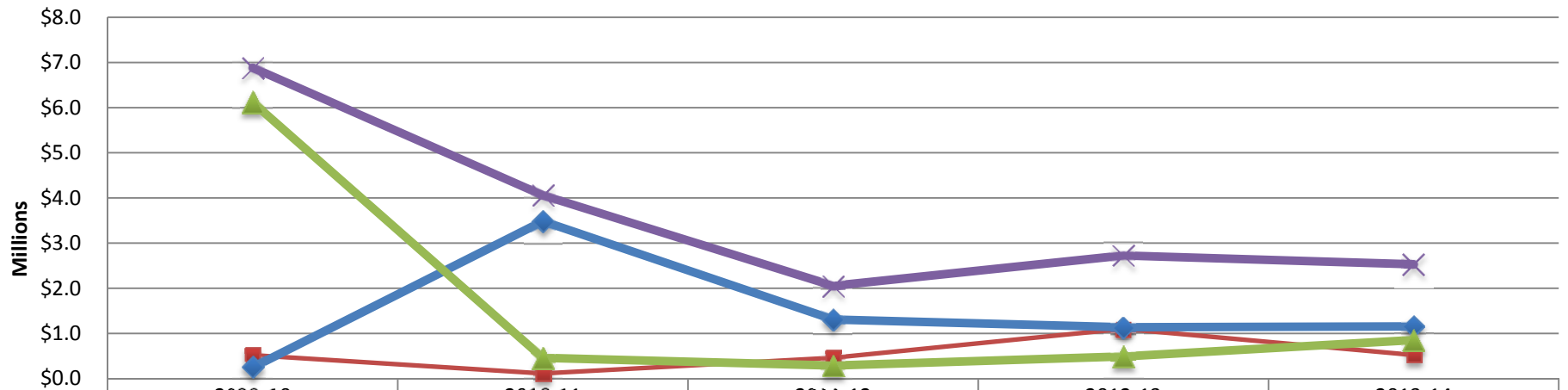
# ENGINEERING & COMPUTER SCIENCE

Notes: Submissions are listed alphabetically by administering department and name of the lead PI, but many awards represent the collaborative efforts of multiple investigators and departments/units. Functional Areas (FA): AS = Academic Services; C/S = Conference/Seminar; IS = Institutional Support; I/T = Instruction/Training; PS = Public Service; R = Research; S/F = Scholarships/Fellowships; SS = Student Services.

| Submissions by Department |  |  |            |     |
|---------------------------|--|--|------------|-----|
| Lead PI/PD                | Funder   | Title  | Amount     | FA  |
| <b>Computer Science</b>   |  |  |            |     |
| Kandah, Farah             | NSF - National Science Foundation                          | CC*IIE Network Infrastructure: Bandwidth Obtained for Learning Science, Technology, Engineering, and Research (BOLSTER)  | 397,731.00 | R   |
| Liang, Yu                 | Central State University                                   | A Design Proposal for the Center of Cyber Sensor Networks for Human and Environmental Actions  | 17,500.00  | R   |
|                           | Community Foundation of Greater Chattanooga Incorporated   | Improving Safety in High-Crime Neighborhoods Using Cyber-Physical Systems  | 29,998.00  | R   |
|                           |  | Improving Safety in High-Crime Neighborhoods Using Cyber-Physical Systems (Resubmission)   | 30,000.00  | R   |
|                           | NSF - National Science Foundation                          | Big Data: IA: DKA: Collaborative Research: Generation, Extraction, and Application to Aging Bridges  | 978,852.00 | R   |
| Sartipi, Mina             | NSF - National Science Foundation                          | CyberSEES: Type 2: Collaborative Research: An Integrated Framework for Reliability and Sustainability of Smart Grid Infrastructure   | 425,035.00 | R   |
|                           |  | NeTS: Small: Collaborative Research: Theory and Techniques for Multimedia Multicast Networks: Low-Complexity Schemes for Packet Routing, Digital Modulation and Video Coding | 100,000.00 | R   |
| Yang, Li                  | NSF - National Science Foundation                          | PRELIMINARY: Application for participation in the Ideas Lab workshop   | 0.00       | AS  |
|                           |  | Collaborative Research: Promoting Hands-on Security Education through a Portal with Shared Community Knowledge   | 119,880.00 | R   |
|                           |  | Teaching Big Data Analytics through Socially Relevant Projects   | 190,591.00 | R   |
| <b>Engineering</b>        |  |  |            |     |
| Ennis, Bryan              | Grainflow Dynamics, LLC                                    | SBIR: Particle Shape and Size Distribution Effects on Bulk and Two-Phase Behavior  | 48,856.00  | R   |
|                           |  | Enhanced Particle-Scale Simulation of Blending Powders and Slurries for Particulate-Based Composites   | 67,500.00  | R   |
|                           | NSF - National Science Foundation                          | MRI Acquisition: High Resolution Particle Imager for Aggregate Characterization and Packing to Aid Sustainable Infrastructure Design   | 434,473.00 | R   |
| Ofoli, Abdul              | Southeastern Center for Electrical Engineering Education   | Real-Time System Test-Bed for a Large-Scale Grid Connected Wind Farm   | 15,344.00  | R   |
| Owino, Joseph             | Tennessee Board of Architectural and Engineering Examiners | TBAEE - Civil Engineering  | 32,500.00  | I/T |
| Rollins, Alex             | Deutscher Technologiedienst GmbH                           | PRELIMINARY: An Additive or Innovative Method that Increases Surface Adhesion of Polymer Fibers with Low Surface Energy in Concrete  | 0.00       | R   |
|                           | Nuclear Regulatory Commission                              | Concrete Technology and Codes Course - Rollins 2014  | 504,478.00 | C/S |

| Submissions by Department  |   |  |                    |    |
|--|---|--|--------------------|----|
| Lead PI/PD   | Funder  | Title  | Amount             | FA |
| <b>SimCenter</b>   |   |  |                    |    |
| Anderson, Kyle   | High Performance Technologies Inc. of Reston VA | Investigation of Unstructured Higher-Order Methods for Unsteady Flow   | 120,000.00         | R  |
|  | Optimal, LLC                                    | Arbitrary-Order Curved Mesh Generation of Any User-Defined Discretization  | 45,000.00          | R  |
|  | SmartTruck Systems, LLC                         | Simulation of Drag Reduction Devices for Smart Truck Systems   | 10,593.00          | R  |
|  |   | Simulation of Drag Reduction Devices for SmartTruck Systems, LLC - Amendment 2   | 10,593.00          | R  |
| Arabshahi, Abdollah  | NSF - National Science Foundation               | First principles based simulation of particulate transport in the human respiratory system   | 295,208.00         | R  |
| Hilbert, Christopher   | Cormetech, Inc.                                 | Preliminary Simulation of Cormetech's Catalytic Extrusion Process  | 5,297.00           | R  |
| Hyams, Daniel  | SimCenter Enterprises, Inc.                     | Tenasi-SWCu: Development of an Unstructured Shallow Water Solution Algorithm for Flooding Applications with Contaminants                   | 35,000.00          | R  |
| Karman, Steve  | Tennessee Valley Authority                      | Mesh Demo for TVA  | 10,000.00          | R  |
| McDonald, Henry  | SimCenter Enterprises, Inc.                     | Expense Contract for Henry McDonald's Travel & Other Expenses benefiting SCE   | 25,000.00          | R  |
| Nichols, Stephen   | CHI Engineering                                 | Physics-Based Simulation of Potential LNG Spillage   | 18,832.00          | R  |
|  |   | Physics-Based Simulation of Potential LNG Spillage-Amendment 1   | 29,046.00          | R  |
|  | SimCenter Enterprises, Inc.                     | Simplified Modeling of Buoyant, Precipitant, and Explosive Events with the Scalar Transport Model  | 35,000.00          | R  |
| Pankajakshan, Ramesh   | SimCenter Enterprises, Inc.                     | Faster Than Real Time Particle Module for Disaster Mitigation System Applications  | 35,000.00          | R  |
| Sreenivas, Kidambi   | NSF - National Science Foundation               | RET Supplement Proposal for the "Toward First-Principles Based Wake and Wake Interaction Models for Wind-Farm Layout Optimization" Project | 20,000.00          | PS |
|  | SimCenter Enterprises, Inc.                     | From LiDar to Geometry: An Assessment of Available Tools   | 35,000.00          | R  |
| Taylor, Lafayette  | Office Of Naval Research (AS400)                | Hydrodynamic Drag Reduction  | 220,000.00         | R  |
| Webster, Robert  | Army Research Office                            | Vorticity Confinement Method for Turbulent, Massively, Separated, and Vortex-Dominated Flows   | 102,306.00         | R  |
|  | Confidential                                    | Confidential   | 20,000.00          | R  |
|  | Flow Modeling and Simulation, LLC               | SBIR Phase II Proposal   | 104,098.00         | R  |
| <b>Engineering &amp; Computer Science Total Dollars Requested:</b> |   |  | <b>\$4,568,711</b> |    |

## ENGINEERING & COMPUTER SCIENCE FIVE-YEAR FUNDING TRENDS BY DEPARTMENT FISCAL YEARS 2010 - 2014



|                  | 2009-10     | 2010-11     | 2011-12     | 2012-13     | 2013-14     |
|------------------|-------------|-------------|-------------|-------------|-------------|
| Computer Science | \$519,294   | \$114,987   | \$460,923   | \$1,100,495 | \$522,116   |
| Engineering      | \$246,784   | \$3,485,147 | \$1,306,391 | \$1,136,384 | \$1,155,998 |
| SimCenter        | \$6,118,823 | \$460,000   | \$289,159   | \$490,649   | \$852,175   |
| Total Funding    | \$6,884,901 | \$4,060,134 | \$2,056,473 | \$2,727,528 | \$2,530,289 |

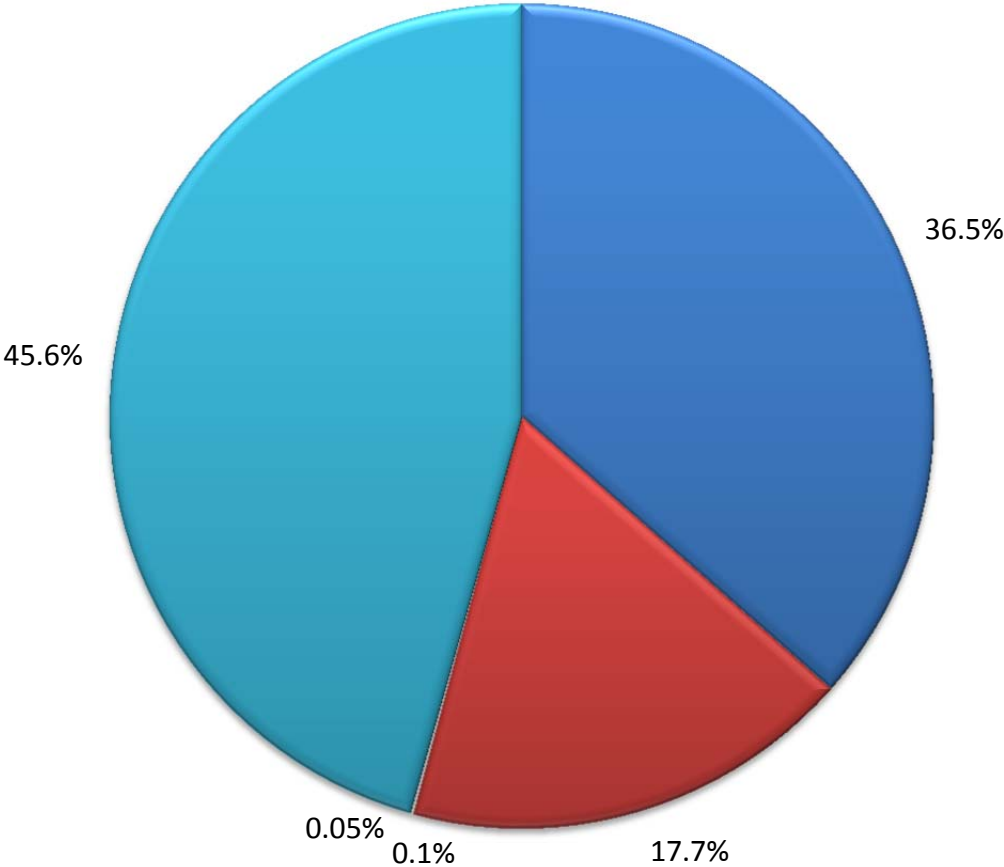


## HEALTH, EDUCATION & PROFESSIONAL STUDIES



# HEALTH, EDUCATION & PROFESSIONAL STUDIES

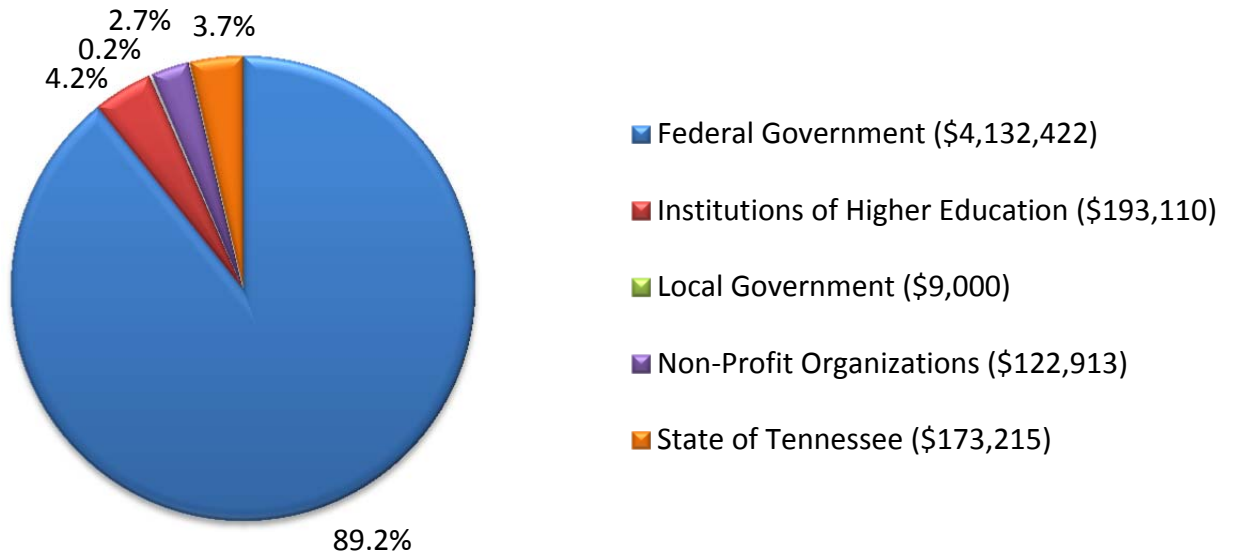
**Total CHEPS External Funding: \$4,630,660**



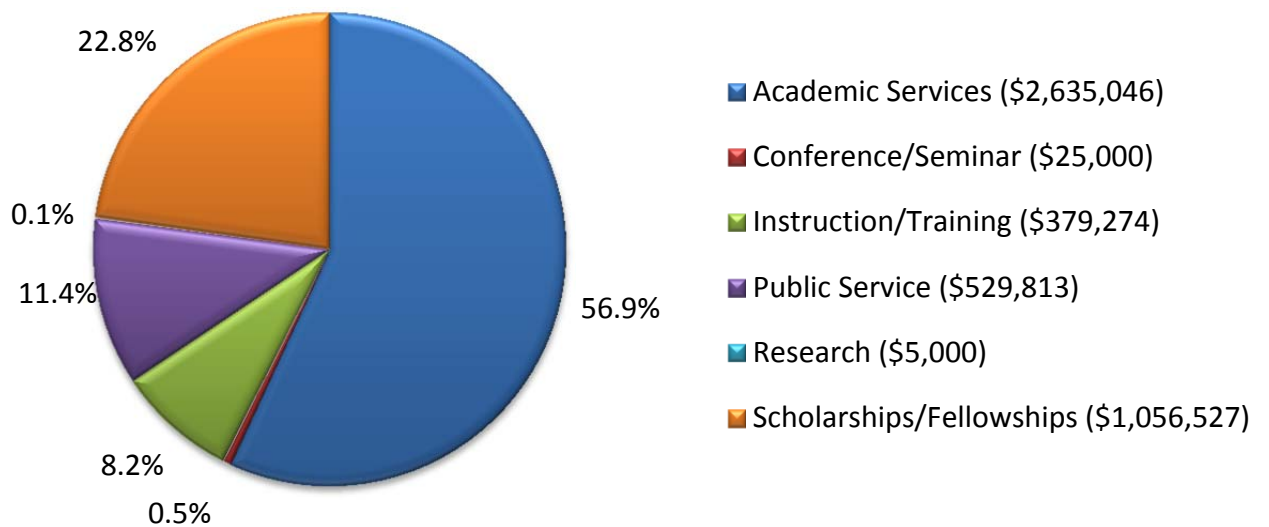
- Center for Community Career Education (\$1,689,723)
- Education (\$820,650)
- Health & Human Performance (\$5,000)
- Interior Design (\$2,160)
- Nursing (\$2,113,127)

# HEALTH, EDUCATION & PROFESSIONAL STUDIES

## Awards by Source



## Awards by Functional Area





# HEALTH, EDUCATION & PROFESSIONAL STUDIES

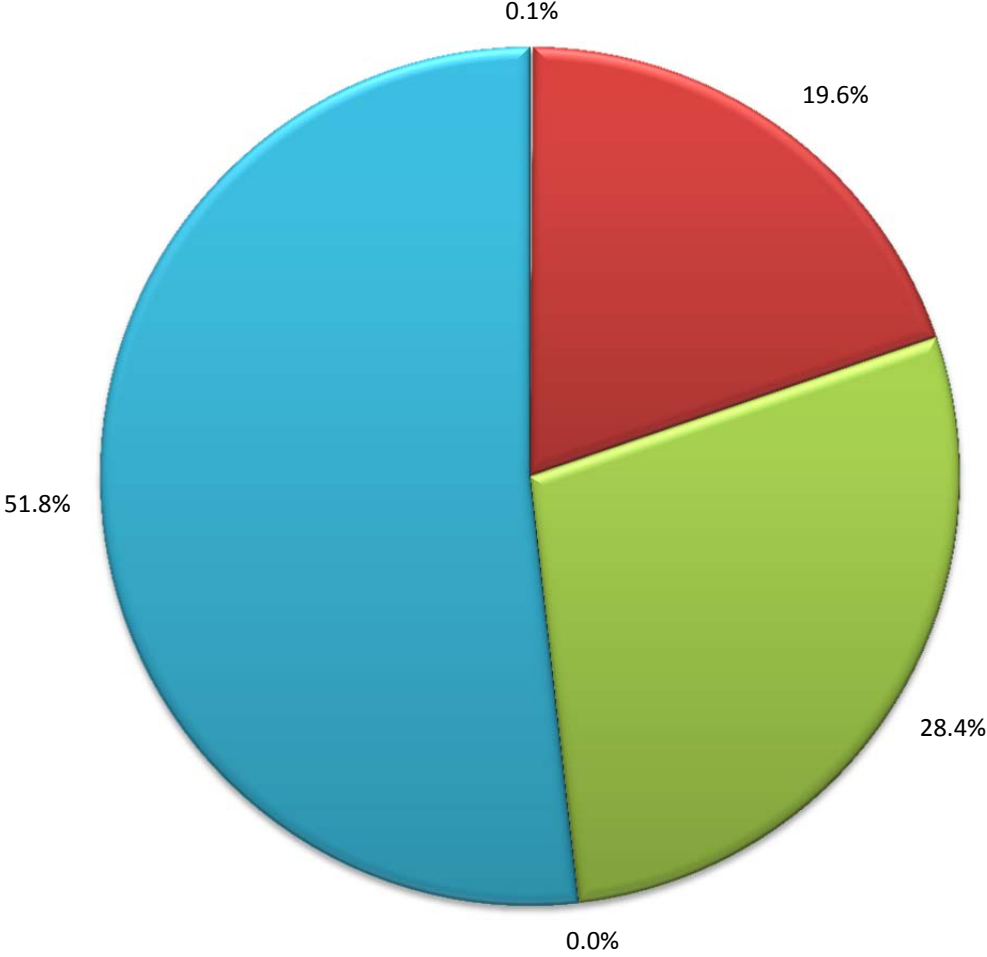
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| Awards by Department                         |   |  |              |     |
|--|---|--|--------------|-----|
| Lead PI/PD                                   | Funder  | Title  | Amount       | FA  |
| <b>Center for Community Career Education</b> |   |  |              |     |
| Boykin, Twyler                               | US Dept. of Education   | Upward Bound Math and Science  | \$236,925.00 | PS  |
| Brownlee, Belinda                            | US Dept. of Education   | Upward Bound at UTC  | \$302,271.00 | AS  |
| Cole, Sandy                                  | Hamilton County Public Schools  | PAWS Support   | \$9,000.00   | AS  |
|  | Tennessee Higher Education Commission   | Each One Reach One 2013-15   | \$50,200.00  | S/F |
| Huckabay, Hunter                             | US Dept. of Education   | GEAR UP in Hamilton County, TN 2011-2018   | \$624,066.00 | AS  |
| Long, Cynthia                                | US Dept. of Education   | Educational Opportunity Center 2011-2016   | \$249,290.00 | AS  |
| Vann, Karen                                  | US Dept. of Education   | Hamilton County Talent Search 2011-2016  | \$217,971.00 | PS  |
| <b>Education</b>                             |   |  |              |     |
| Brand, Carol                                 | Tennessee Department of Education-Division of Special Education               | Special Education Institutes 2012-2015   | \$59,471.00  | S/F |
| Crawford, Elizabeth                          | Tennessee Department of Education   | 2014 Governor's School for Prospective Teachers  | \$60,570.88  | I/T |
| Ellington, Lucien                            | Apgar Foundation  | Citizenship Institutes for Secondary School Teachers and Expansion of Annual Constitution Day                                    | \$25,000.00  | C/S |
|  | Association for Asian Studies, Inc  | Education About Asia Journal 2014  | \$72,917.00  | PS  |
|  | Freeman Foundation  | National Consortium for Teaching about Asia 2014   | \$17,996.00  | I/T |
|  | The Jack Miller Center for Teaching America's Founding Principles and History | 2014 Constitution Day Lecture  | \$2,000.00   | PS  |
| Gamble, Anne                                 | US Dept. of Education   | Teachers Helping English Language Proficiency (HELP)   | \$388,772.00 | AS  |
| Johnston, Linda                              | Tennessee State University  | Strengthening Instruction in Tennessee Elementary Schools - Focus on Mathematics (SITES-M)                                       | \$180,360.00 | AS  |
| McAllister, Deborah                          | Vanderbilt University   | NASA Mathematics Resources and Super Source Activities for Elementary Grades Preservice Teachers                                 | \$12,750.00  | AS  |
| Wingate, Kimberly                            | Tennessee Department of Education-Division of Special Education               | Special Education Institutes 2012-2015   | \$813.00     | S/F |
| <b>Health &amp; Human Performance</b>        |   |  |              |     |
| Heath, Gregory                               | American College of Sports Medicine   | An Acceptability and Usability Trial of the Exercise is Medicine Health Care Provider and Fitness & Health Professional Toolkits | \$5,000.00   | R   |

| Awards by Department  |  |  |                    |     |
|---|--|--|--------------------|-----|
| Lead PI/PD  | Funder   | Title  | Amount             | FA  |
| <b>Interior Design</b>  |  |  |                    |     |
| Kendall, Catherine  | Tennessee Board of Architectural and Engineering Examiners | Funding for Computer Equipment for Dedicated Senior Studio   | \$2,160.00         | I/T |
| <b>Nursing</b>  |  |  |                    |     |
| Hill, Linda   | DHHS – Health Resources and Services Administration        | Nurse Anesthetists Traineeships at UTC   | \$25,146.00        | AS  |
| Jackson, Joanie   | DHHS – Health Resources and Services Administration        | PACT 4 Interprofessional Geriatric Care  | \$368,015.00       | AS  |
| Schreeder, Carolyn  | DHHS – Health Resources and Services Administration        | The InterProfessional Collaborative Practice Approach for Geriatric Education Strategies (IPCP-AGES) | \$475,376.00       | AS  |
| Smith, Christine  | DHHS – Health Resources and Services Administration        | UTC Advanced Education Nursing Traineeships 2012   | \$341,098.00       | S/F |
|   |  | Scholarships for Disadvantaged Nursing Students at UTC 2012-16                                       | \$604,945.00       | S/F |
| Zwitter, Miriam   | DHHS – Health Resources and Services Administration        | Get Healthy Project 2011-14  | \$298,547.00       | I/T |
| <b>Health, Education, &amp; Professional Studies Total Dollars Awarded:</b> |  |  | <b>\$4,630,660</b> |     |

# HEALTH, EDUCATION & PROFESSIONAL STUDIES

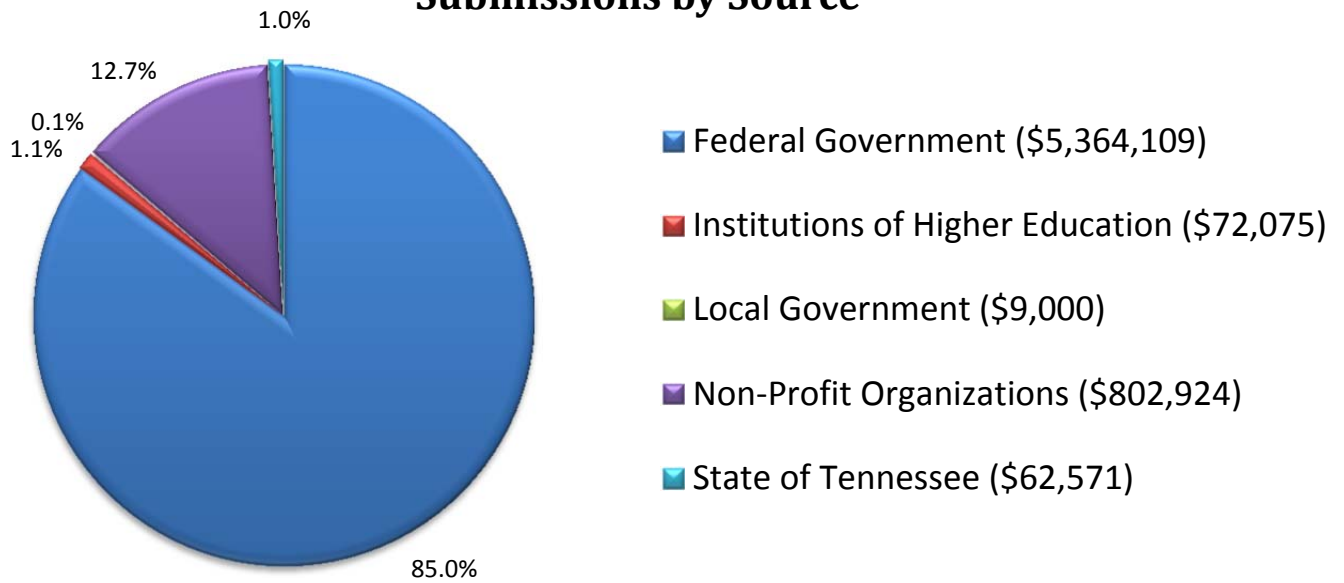
## Total CHEPS External Funds Requested: \$6,310,679



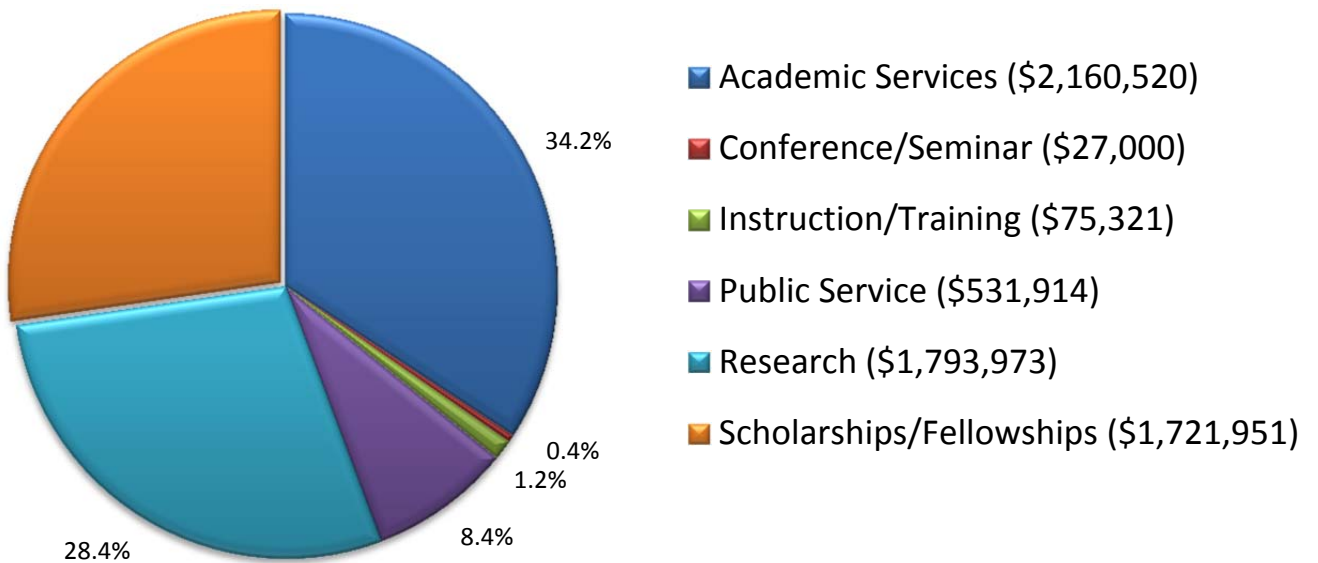
- Center for Community Career Education (\$9,000)
- Education (\$1,237,010)
- Health & Human Performance (\$1,793,973)
- Interior Design (\$2,000)
- Nursing (\$3,268,696)

# HEALTH, EDUCATION & PROFESSIONAL STUDIES

## Submissions by Source



## Submissions by Functional Area



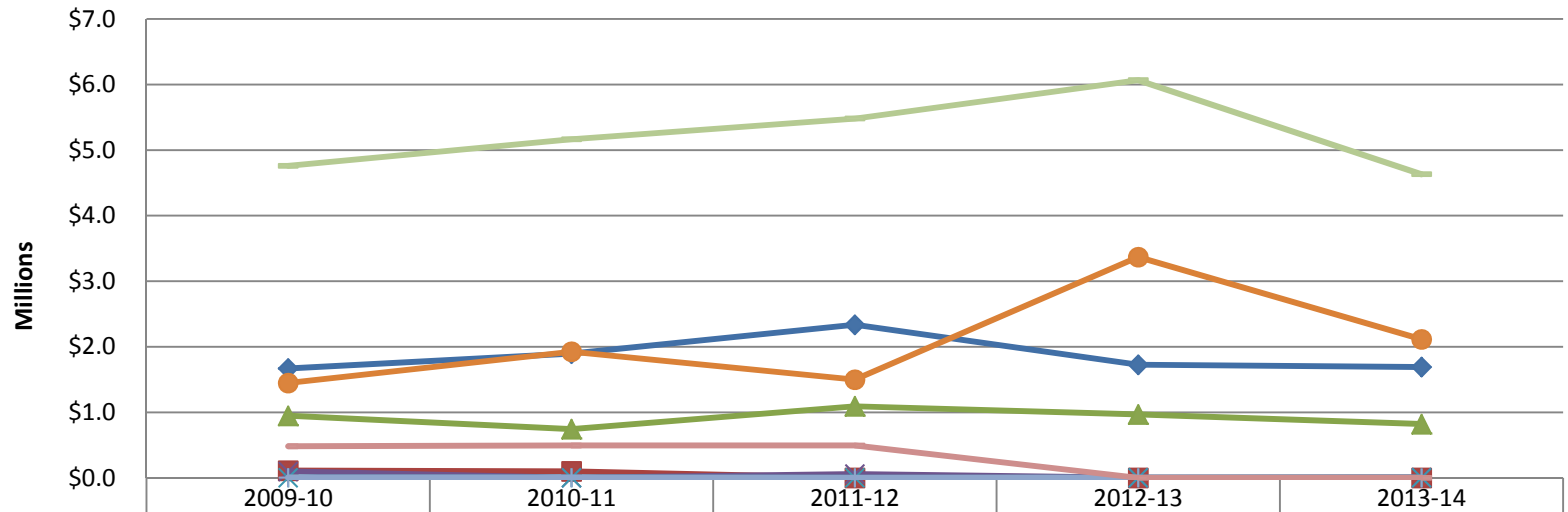
# HEALTH, EDUCATION & PROFESSIONAL STUDIES

*Notes: Submissions are listed alphabetically by administering department and name of the lead PI, but many awards represent the collaborative efforts of multiple investigators and departments/units. Functional Areas (FA): AS = Academic Services; C/S = Conference/Seminar; IS = Institutional Support; I/T = Instruction/Training; PS = Public Service; R = Research; S/F = Scholarships/Fellowships; SS = Student Services.*

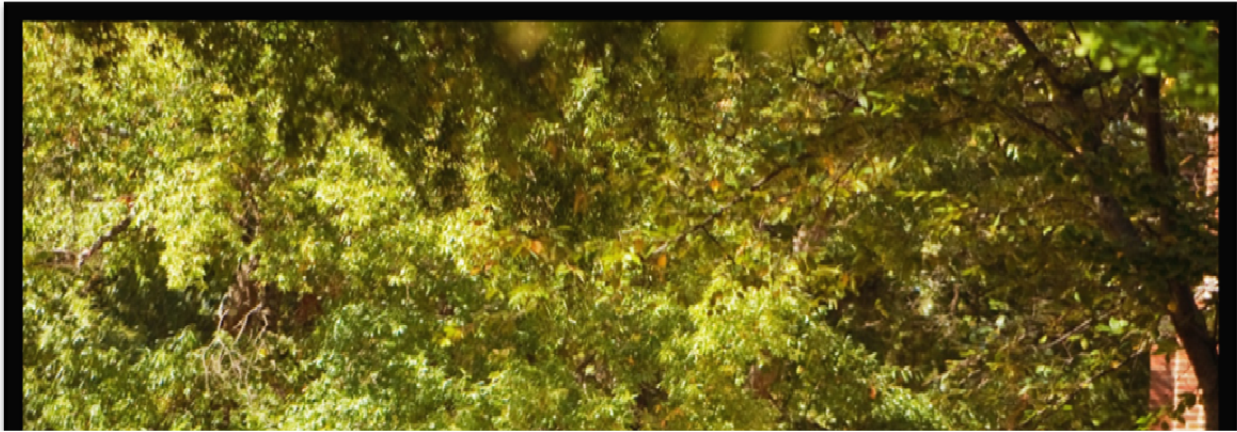
| Submissions by Department                    |   |  |                |     |
|--|---|--|----------------|-----|
| Lead PI/PD                                   | Funder  | Title  | Amount         | FA  |
| <b>Center for Community Career Education</b> |   |  |                |     |
| Cole, Sandra                                 | Hamilton County Public Schools  | PAWS Support   | \$9,000.00     | PS  |
| <b>Education</b>                             |   |  |                |     |
| Carter, Pamala                               | Spencer Foundation  | PRELIMINARY: Data literacy: How do teachers use student data in the classroom to make decisions about everyday practices?                            | --             | R   |
|  | US Dept. of Education   | PRELIMINARY: Degree+3: A Comprehensive, Longitudinal Approach to Student Assessment  | --             | R   |
| Crawford, Elizabeth                          | Tennessee Department of Education   | 2014 Governor's School for Prospective Teachers  | \$60,570.88    | I/T |
| Ellington, Lucien                            | Apgar Foundation  | Citizenship Institutes for Secondary School Teachers and Expansion of Annual Constitution Day  | \$25,000.00    | C/S |
|  | Association for Asian Studies, Inc  | Education About Asia Journal 2014  | \$72,917.00    | PS  |
|  | Freeman Foundation  | National Consortium for Teaching about Asia 2014   | \$17,996.00    | AS  |
|  | The Jack Miller Center for Teaching America's Founding Principles and History | 2014 Constitution Day Lecture  | \$2,000.00     | C/S |
| McAllister, Deborah                          | NASA - Marshall Space Flight Center   | STEM Saturdays   | \$1,200.00     | AS  |
|  | Vanderbilt University   | NASA Mathematics Resources and Super Source Activities for Elementary Grades Preservice Teachers   | \$12,750.00    | I/T |
| Wingate, Kimberly                            | US Dept. of Education   | BALANCE: Building A Lasting And Necessary Comprehensive Educator   | \$1,044,576.08 | S/F |
| <b>Health &amp; Human Performance</b>        |   |  |                |     |
| Bailey, Andrew                               | Wild Trails   | UTC Tourism Center   | \$2,860.00     | R   |
| Heath, Gregory                               | American College of Sports Medicine   | Amendment to An Acceptability and Usability Trial of the Exercise is Medicine Health Care Provider and Fitness & Health Professional Toolkits        | \$5,000.00     | R   |
|  |   | Exercise is Medicine: Linking Clinical Care to Certified Community Resources for Chronic Disease & Falls Prevention & Control                        | \$227,154.00   | R   |
|  | Johns Hopkins Global Center on Childhood Obesity                              | The Extension of the Chattanooga Downtown Riverwalk: If we build it will they come?  | \$29,327.00    | R   |
|  |   | The Impact of Policy and Environmental Supports to Increase Physical Activity among Inner City Children and Youth: Grow Healthy Together Chattanooga | \$29,998.00    | R   |

| Submissions by Department   |  |  |                    |     |
|---|--|--|--------------------|-----|
| Lead PI/PD  | Funder   | Title  | Amount             | FA  |
| Wilkerson, Gary   | Patient-Centered Outcomes Research Institute               | Practice-Based Research Network for Optimal Musculoskeletal Function                                       | \$1,499,634.00     | R   |
| <b>Interior Design</b>  |  |  |                    |     |
| Kendall, Catherine  | Tennessee Board of Architectural and Engineering Examiners | Funding for Computer Equipment for Dedicated Senior Studio   | \$2,000.00         | I/T |
| <b>Nursing</b>  |  |  |                    |     |
| Hill, Linda   | DHHS - Health Resources and Services Administration        | CRNAs in 3D: Increasing Diversity, Reducing Disparities, & Understanding the Social Determinants of Health | \$1,033,362.00     | AS  |
|   |  | Nurse Anesthetist Traineeships at UTC 2014   | --                 | S/F |
| Smith, Christine  | Boston Medical Center                                      | Learning Together About Mammograms   | \$196,207.50       | PS  |
|   |  | Learning Together About Mammograms (Resubmission)  | \$253,789.00       | PS  |
|   | DHHS - Health Resources and Services Administration        | COMPASS Project  | \$1,107,961.60     | AS  |
|   |  | Advanced Education Nursing Traineeships 2014   | \$677,375.00       | S/F |
|   | John A. Hartford Foundation                                | PRELIMINARY: Support for Center for Excellence in Geriatric Nursing  | --                 | PS  |
| <b>Health, Education, &amp; Professional Studies Total Dollars Requested:</b> |  |  | <b>\$6,310,679</b> |     |

# HEALTH, EDUCATION AND PROFESSIONAL STUDIES FIVE-YEAR FUNDING TRENDS BY DEPARTMENT FISCAL YEARS 2010 - 2014



|                              | 2009-10     | 2010-11     | 2011-12     | 2012-13     | 2013-14     |
|------------------------------|-------------|-------------|-------------|-------------|-------------|
| ◆ CCCE                       | \$1,668,068 | \$1,894,876 | \$2,335,655 | \$1,725,090 | \$1,689,723 |
| ■ Dean's Office              | \$110,110   | \$98,788    | \$0         | \$0         | \$0         |
| ▲ Education                  | \$947,793   | \$743,246   | \$1,092,123 | \$967,880   | \$820,650   |
| ✕ Health & Human Performance | \$97,525    | \$1,250     | \$58,079    | \$0         | \$5,000     |
| ✱ Interior Design            | \$2,817     | \$3,334     | \$2,113     | \$2,049     | \$2,160     |
| ● Nursing                    | \$1,447,929 | \$1,924,532 | \$1,498,316 | \$3,367,680 | \$2,113,127 |
| — Physical Therapy           | \$4,870     | \$4,887     | \$1,066     | \$3,270     | \$0         |
| — Social Work                | \$480,504   | \$493,480   | \$493,480   | \$0         | \$0         |
| — Total Funding              | \$4,759,616 | \$5,164,393 | \$5,480,832 | \$6,065,969 | \$4,630,660 |



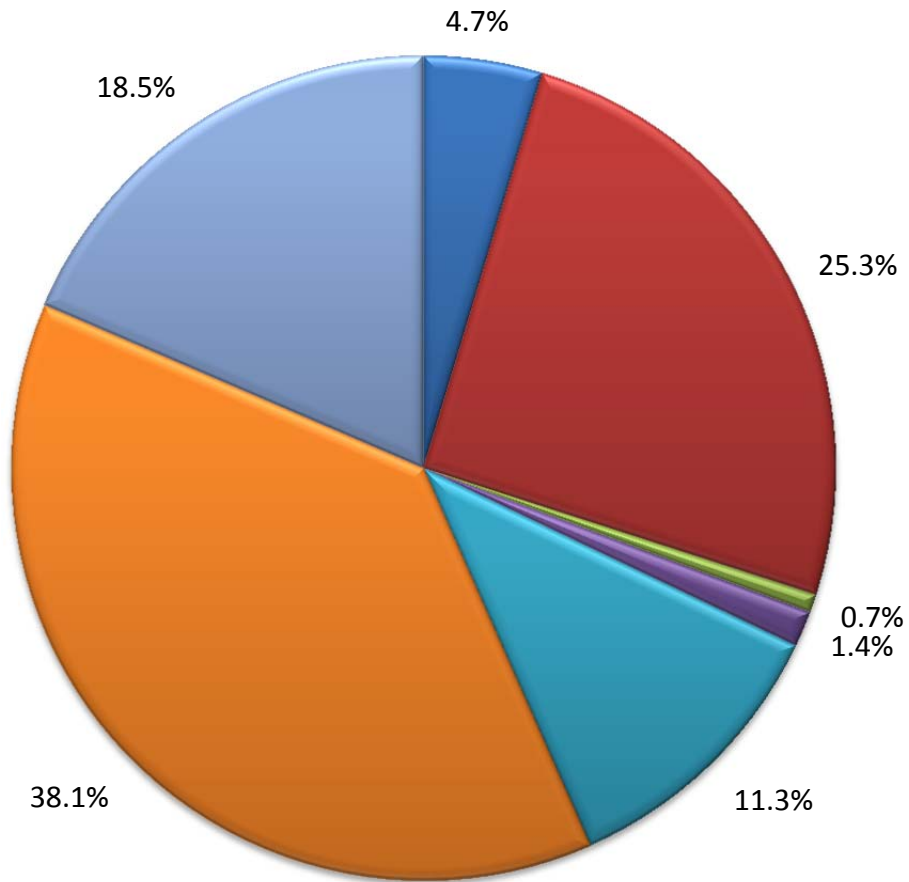
# ADMINISTRATIVE UNITS





# ADMINISTRATIVE UNITS

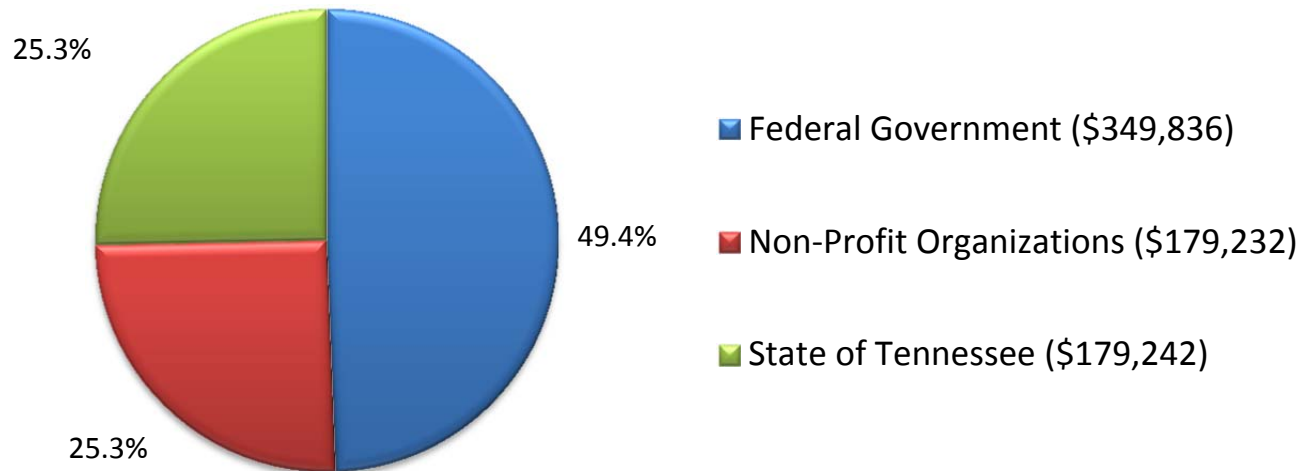
**Total Admin External Funding: \$708,310**



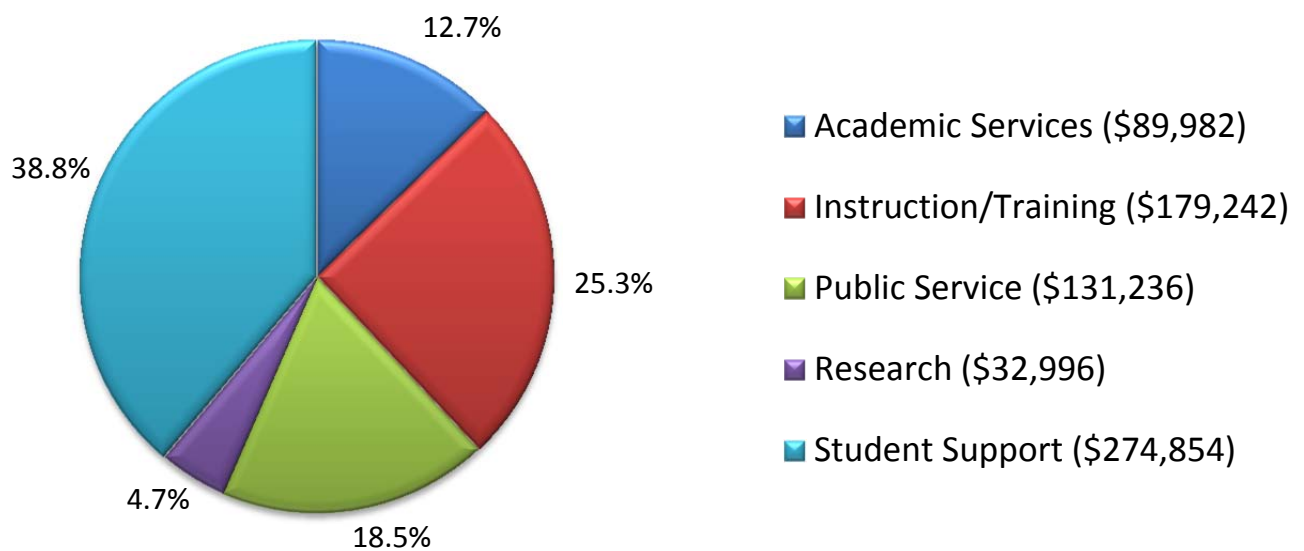
- Academic & Research Computing Services (\$32,996)
- Continuing Education (\$179,242)
- Dean of Students (\$5,000)
- Financial Aid (\$10,000)
- Partnerships & Sponsored Programs (\$79,982)
- Student Support Services (\$269,854)
- WUTC - FM (\$131,236)

# ADMINISTRATIVE UNITS

## Awards by Source



## Awards by Functional Area



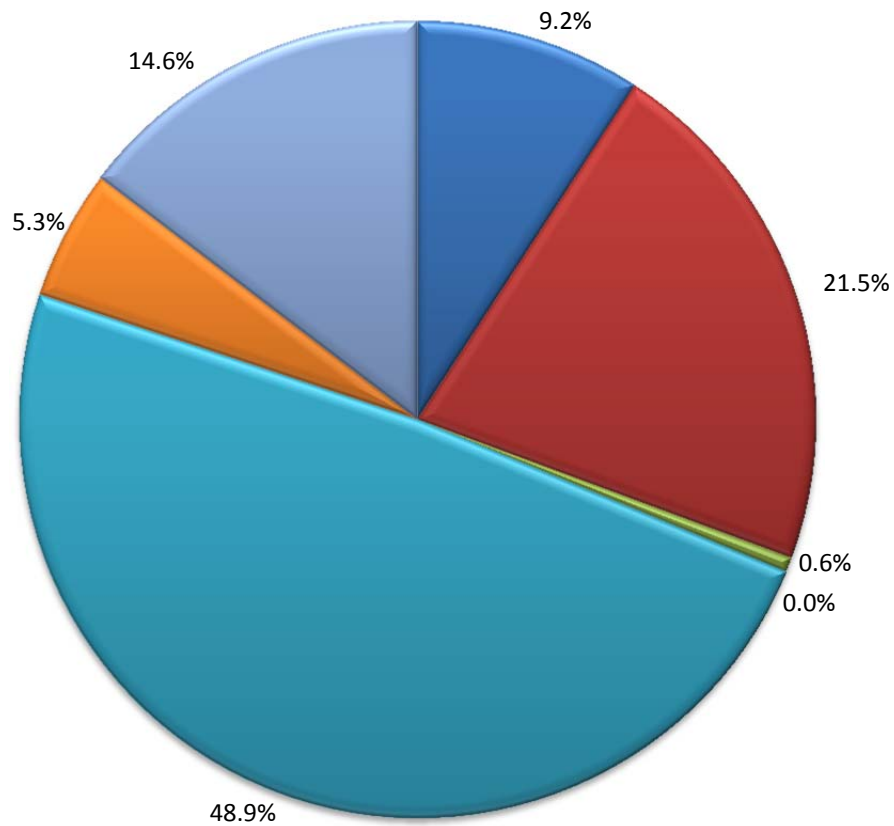
# ADMINISTRATIVE UNITS

Notes: Awards are listed alphabetically by administering department and name of the lead PI, but many awards represent the collaborative efforts of multiple investigators and departments/units. Functional Areas (FA): AS = Academic Services; C/S = Conference/Seminar; IS = Institutional Support; I/T = Instruction/Training; PS = Public Service; R = Research; S/F = Scholarships/Fellowships; SS = Student Services.

| Awards by Department                               |  |  |                  |     |
|--|--|--|------------------|-----|
| Lead PI/PD   | Funder   | Title  | Amount           | FA  |
| <b>Academic &amp; Research Computing Services</b>  |  |  |                  |     |
| Carroll, Andrew                                    | Benwood Foundation                                       | Support of Geographic Information System (GIS) services by Center for Academic and Innovative Technologies (CAIT)    | \$15,000.00      | R   |
| Carroll, Andrew                                    | Land Trust for Tennessee                                 | Habitat connectivity for the South Cumberland/Thrive 2055 project region usingCircuitscape.                          | \$2,996.00       | R   |
| Carroll, Andrew                                    | Lyndhurst Foundation                                     | Geographic Information Systems (GIS) Support and Services for Center for Academic and Innovative Technologies (CAIT) | \$15,000.00      | R   |
| <b>Continuing Education</b>                        |  |  |                  |     |
| Reese, Virginia                                    | University of Tennessee - Institute of Public Service    | Southeastern Command and Leadership Academy (SECLA) Y1   | \$67,408.00      | I/T |
|  |  | Southeastern Command and Leadership Academy (SECLA) Y2   | \$111,834.00     | I/T |
| <b>Dean of Students</b>                            |  |  |                  |     |
| Pohl, Justin                                       | Kappa Delta Foundation                                   | Confidence U "I Am Enough" Campaign  | \$5,000.00       | SS  |
| <b>Financial Aid</b>                               |  |  |                  |     |
| Rector, Jeffrey                                    | Community Foundation of Greater Chattanooga Incorporated | Financial Literacy Education Program   | \$10,000.00      | AS  |
| <b>Partnerships &amp; Sponsored Programs</b>       |  |  |                  |     |
| Heath, Gregory                                     | DHHS - NIH - National Center for Research Resources      | NIH BRAD - CREATE  | \$79,982.00      | AS  |
| <b>Student Support Services</b>                    |  |  |                  |     |
| Gholston, Shirl                                    | US Dept. of Education                                    | Student Support Services 2011-15   | \$269,854.00     | SS  |
| <b>WUTC-FM</b>                                     |  |  |                  |     |
| McCormack, John                                    | Corporation for Public Broadcasting                      | FY2014 CPB Community Service Grant   | \$131,236.00     | PS  |
| <b>Administrative Units Total Dollars Awarded:</b> |  |  | <b>\$708,310</b> |     |

# ADMINISTRATIVE UNITS

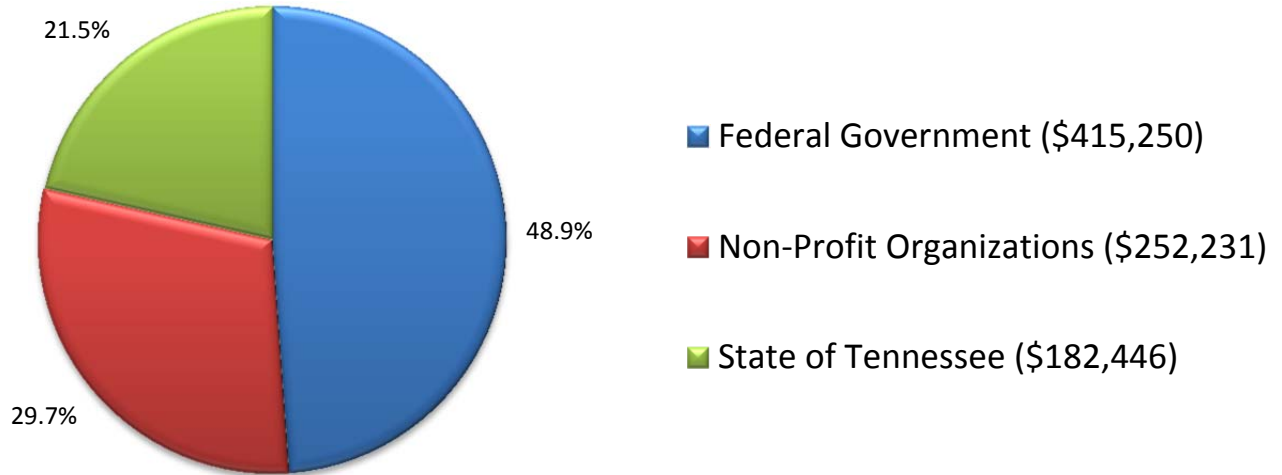
**Total Admin External Funds Requested:  
\$849,927**



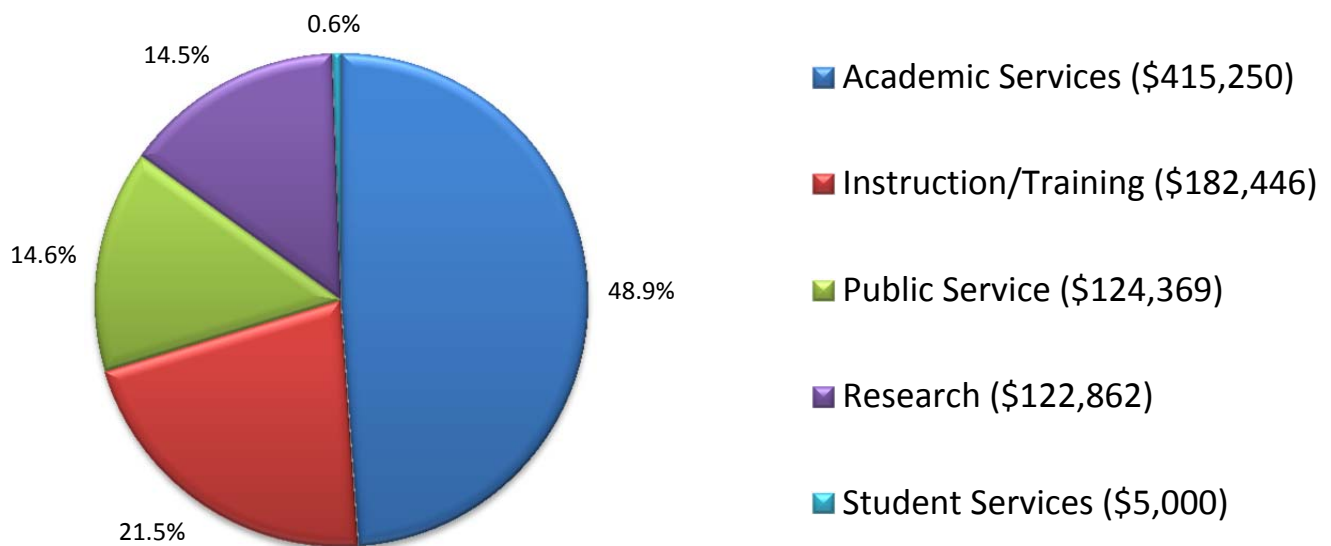
- Academic and Research Computing Services (\$77,996)
- Continuing Education (\$182,446)
- Dean of Students (\$5,000)
- Financial Aid (\$0)
- Partnerships & Sponsored Programs (\$415,250)
- Student Support Services (\$44,866)
- WUTC - FM (\$124,369)

# ADMINISTRATIVE UNITS

## Submissions by Source



## Submissions by Functional Area



# ADMINISTRATIVE UNITS

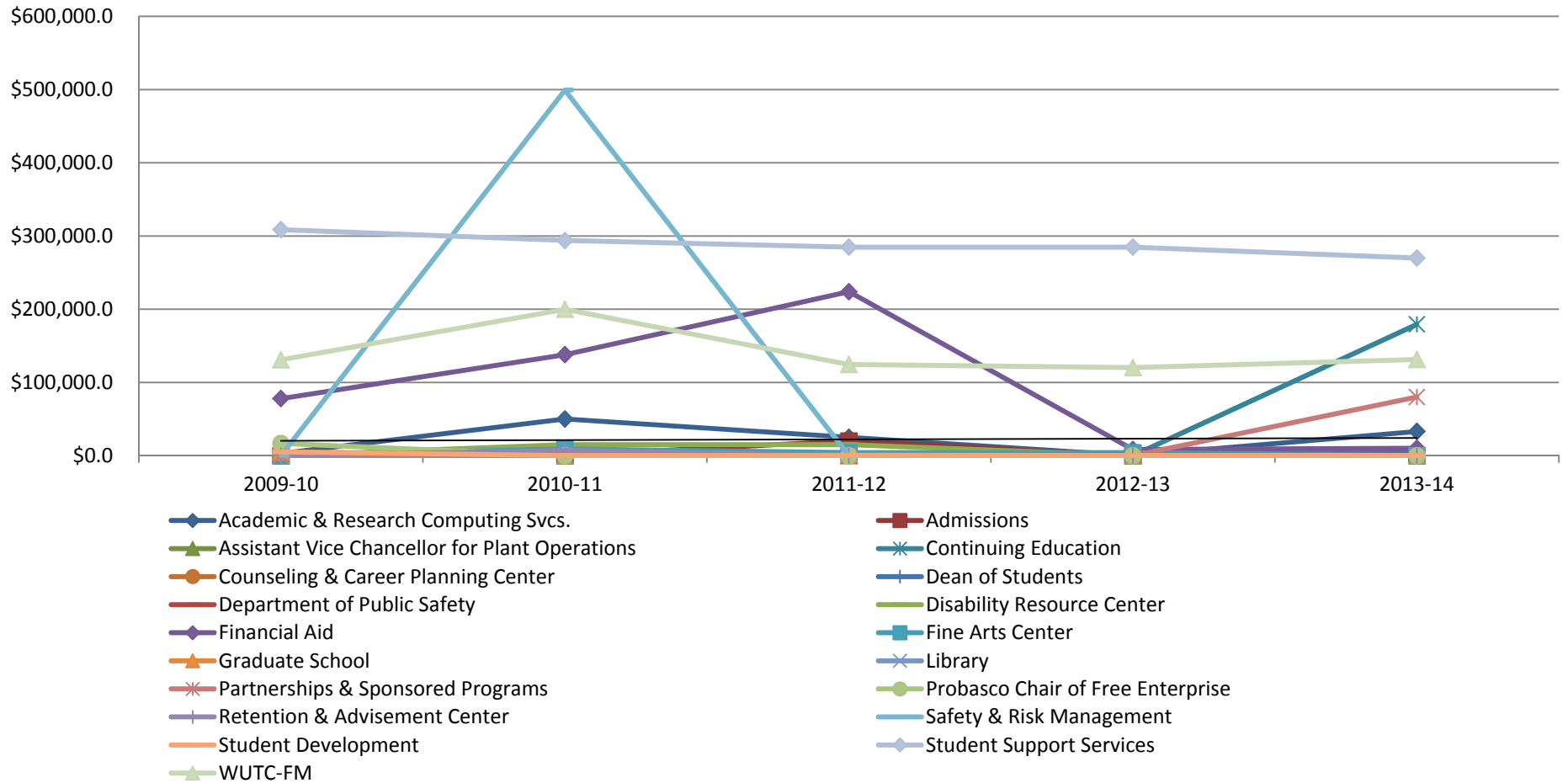
Notes: Submissions are listed alphabetically by administering department and name of the lead PI, but many awards represent the collaborative efforts of multiple investigators and departments/units. Functional Areas (FA): AS = Academic Services; C/S = Conference/Seminar; IS = Institutional Support; I/T = Instruction/Training; PS = Public Service; R = Research; S/F = Scholarships/Fellowships; SS = Student Services.

| Submissions by Department                           |  |  |                  |     |
|---|--|--|------------------|-----|
| Lead PI/PD  | Funder   | Title  | Amount           | FA  |
| <b>Academic &amp; Research Computing Services</b>   |  |  |                  |     |
| Carroll, Andrew                                     | Benwood Foundation                                       | Support of Geographic Information System (GIS) services by Center for Academic and Innovative Technologies (CAIT)    | \$60,000.00      | R   |
|   | Lyndhurst Foundation                                     | Geographic Information Systems (GIS) Support and Services for Center for Academic and Innovative Technologies (CAIT) | \$15,000.00      | R   |
|   | The Land Trust for Tennessee                             | Habitat connectivity for the South Cumberland/Thrive 2055 project region using Circuitscape.                         | \$2,996.00       | R   |
| <b>Continuing Education</b>                         |  |  |                  |     |
| Reese, Virginia                                     | University of Tennessee - Institute of Public Service    | Southeastern Command and Leadership Academy (SECLA)  | \$182,446.00     | I/T |
| <b>Dean of Students</b>                             |  |  |                  |     |
| Pohl, Justin  | Kappa Delta Foundation                                   | Confidence U "I Am Enough" Campaign  | \$5,000.00       | SS  |
| <b>Financial Aid</b>                                |  |  |                  |     |
| Parker, William                                     | Community Foundation of Greater Chattanooga Incorporated | PRELIMINARY: Financial Wellness Center   | \$0.00           | SS  |
| <b>Partnerships &amp; Sponsored Programs</b>        |  |  |                  |     |
| Heath, Gregory                                      | DHHS - NIH - National Center for Research Resources      | NIH BRAD - CREATE  | \$415,250.00     | AS  |
| <b>Student Support Services</b>                     |  |  |                  |     |
| Blackman, Emily                                     | National Collegiate Athletic Association                 | LEAP - Improving Student Athlete Well-Being Through Literacy Improvement   | \$44,866.00      | R   |
| <b>WUTC-FM</b>                                      |  |  |                  |     |
| McCormack, John                                     | Corporation for Public Broadcasting                      | FY2014 CPB Community Service Grant   | \$124,369.00     | PS  |
| <b>Administrative Units Total Dollars Requested</b> |  |  | <b>\$849,927</b> |     |

# ADMINISTRATIVE UNITS

## FIVE-YEAR FUNDING TRENDS BY DEPARTMENT

### FISCAL YEARS 2010 - 2014



# UTC OFFICE OF PARTNERSHIPS & SPONSORED PROGRAMS

The Office of Partnerships and Sponsored Programs seeks to promote academic scholarship and engagement by working with faculty and staff to foster the development of competitive grant proposals and sponsored programs contracts.

**We applaud the UTC community of scholars and experts for the activities documented in this report. Our university, community, and world are a better place because of your efforts!**

The office performs the following services:

- identifies funding opportunities;
- disseminates grant related information to faculty and administrators;
- supports the development of grant proposals and budgets;
- facilitates grant writing workshops to assist faculty in developing competitive proposals;
- reviews and approves proposals before submission to ensure compliance with both UTC standards and sponsor requirements;
- administers the TERA-PAMS enterprise system on the UTC campus;
- assists faculty in submission of timely, accurate, performance reports;
- assists with research and statistics needed for proposal development;
- obtains internal approvals for grant submissions; and
- reviews and processes contracts and sub-contracts awarded to the university.



Left to Right: (back) Todd Doman, Angie Johnson, Greg Heath; (front) Baley Whary, Meredith Perry, Maria Derrick.

## Contact us!

### Office of Partnerships & Sponsored Programs

University of Tennessee at Chattanooga

Dept 4905

615 McCallie Avenue  
Chattanooga, TN 37403

Phone (423) 425.4431

Fax (423) 425.4052

[opsp@utc.edu](mailto:opsp@utc.edu)

<http://www.utc.edu/opsp>