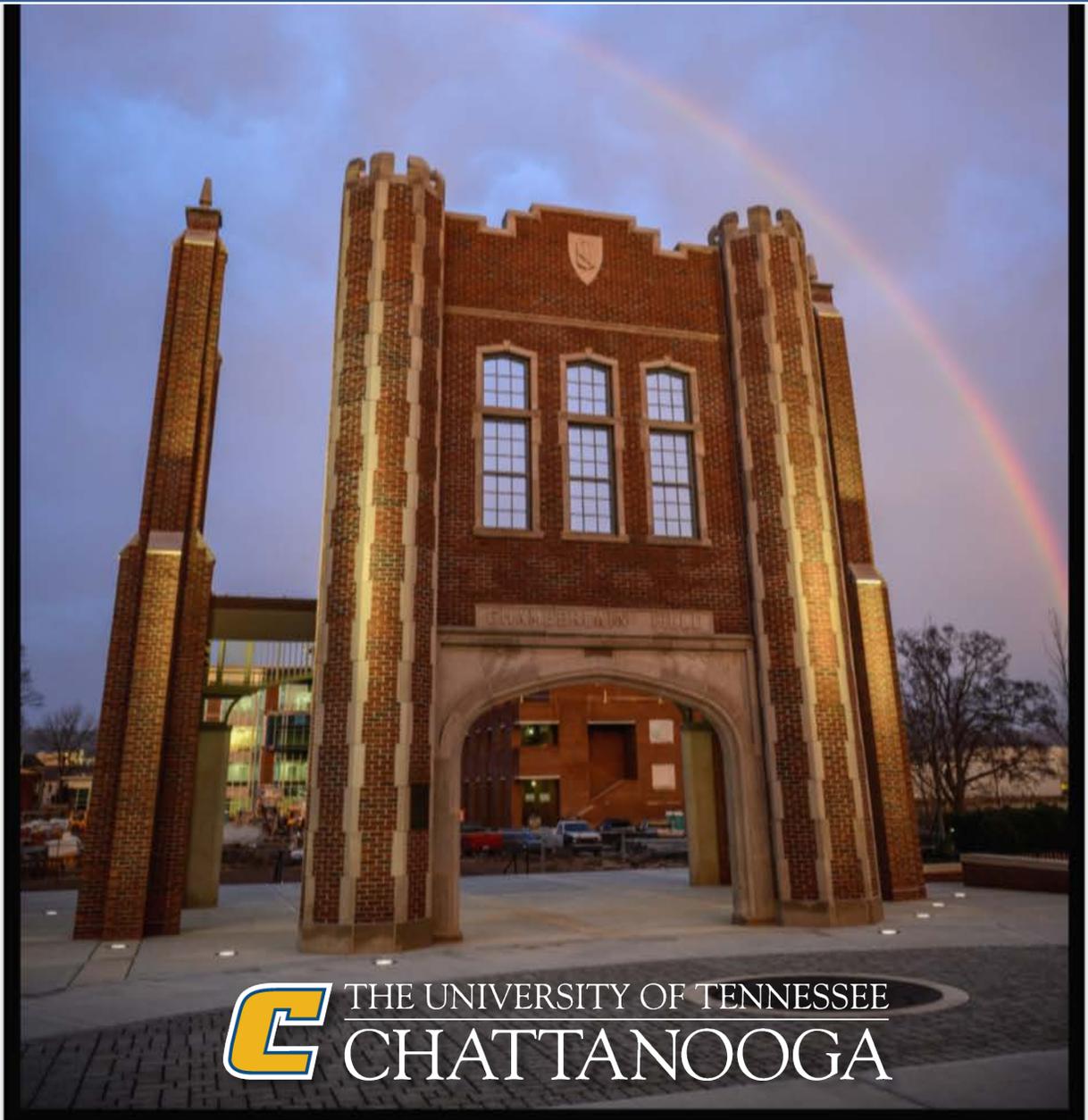




OFFICE OF RESEARCH & SPONSORED PROGRAMS
FY 2016 ANNUAL REPORT



 THE UNIVERSITY OF TENNESSEE
CHATTANOOGA

UTC SPONSORED PROGRAM ACTIVITY



Having joined the UTC community only one year ago, I am pleased to present the 2016 Office of Research and Sponsored Programs (ORSP) Annual Report summarizing the outstanding efforts of our faculty and staff here at UTC. These efforts translate into support for faculty and student excellence across all disciplines and have significant, positive impacts on our campus, in the region, and even internationally. From investigating factors that contribute to juvenile involvement in the prison system, to examining the genetic diversity of threatened native trees, to providing teaching resources for the preparation of school teachers, nurses, and physical therapists, UTC has continued to have an impact both regionally and nationally in the areas of innovative education, research, and creative scholarship. The ORSP has advocated for and assisted our faculty and staff in the identification, preparation, submission, and management of extramural proposals and contracts.

The current Annual Report reflects both the diversity and commitment to excellence found among our faculty and their disciplines. The report also captures important information about UTC's investments in our faculty and staff. As VCR, I have worked with ORSP to initiate and administer more than \$1,035,000 in internal grant awards. External awards are up by nearly 10% compared to FY15 and proposal dollars requested have increased by 20%. Additionally, UTC achieved an important milestone: receiving our first-ever NSF CAREER grant. This highly competitive award is "the most prestigious award in support of junior faculty who exemplify the role of teacher-scholar" and was granted to Dr. Hope Klug for her research on ecological factors that influence mate selection in a variety of species.

I have been consistently impressed with the vital collaborations that UTC scholars are engaged in. That breadth and depth of collaboration is well-reflected in the listings of awards and proposals included in this report. Dr. Jin Wang attracted funds from NSF to support interdisciplinary training in mathematics. Laurie Melnik, Director of the Southeast Center for Education in the Arts secured funds to integrate the arts into medical resident training. Dr. Linda Hill secured funds to design and implement educational approaches to increase diversity and cultural competency in the Certified Registered Nurse Anesthetist (CRNA) population. Numerous other faculty have engaged in collaborations to improve learning and quality of life for individuals across our region. The pending and funded projects submitted involve collaborations within the institution, between institutions and, more and more frequently, with community partners who strive alongside us to promote the mission of this University to achieve success in the pursuit of knowledge and service. Congratulations to those UTC faculty, staff, and students who have invested their time and effort to pursuing these resources.

As we move into fiscal year 2017, our offices look forward to expanding and extending the reach of their services to our entire faculty, staff and students!

- Dr. Joanne Romagni
Vice Chancellor for Research & Dean of the Graduate School

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UTC INTERNAL COMPETITIONS - CRISP

The Collaborative Research Initiative for Sponsored Programs (CRISP) internal grants program seeks to stimulate collaborative, sponsored research at UTC by providing investigational teams of UTC faculty with resources and coordinated support services to help them build research capacity, create internal and external research collaborations, and establish a multi-disciplinary research team with the primary outcome of submitting competitive research proposals and successfully securing funding from external sources.

Congratulations to our 2015-16 CRISP winners! We received a diverse and high quality array of proposals this year, and the office would like to thank everyone who submitted. See below for a list of the research teams that received CRISP funding this year.

2016 Collaborative Research Initiative for Sponsored Programs Award Recipients		
Team Members	UTC Department & Community Partners	Title
Baxley, Joel Melnik, Laurie Gourlay, Avalon VanValkenburg, Rodney Randolph, Keri Blair, Liza	Southeast Center for Education in the Arts School of Education ArtsBuild Hamilton County Department of Education Creative Discovery Museum	Chattanooga Area Arts Education Needs Assessment
Eckelmann, Susan Runyon, Carolyn	History UTC Library Special Collections City of Chattanooga Mayor's Council on Women's History Subcommittee	Chattanooga Women's Oral History Project
Foerder, Preston Kandah, Farrah Klug, Hope	Psychology Computer Science & Engineering Biology	iChimp: Using Internet Technology to Connect Captive Chimpanzees
Smith, Cathie Summa Chadwick, Martha Sharpe, Lindsey Mixon, Avery	Physical Therapy Cadek Conservatory Camp Horizon Erlanger Hospital	Impact of Rhythmic Auditory Stimulation on Physical Activity Levels and Ambulatory Walking Behaviors of Children During the Early Phases of Cancer Treatment
Spratt, Henry Jr. Levine, David Giles, David Kohrt, Alan Huff, Janara Rowin, Mark Parrish Reade, Erin Klingborg, Paige Harding, Sarah Berry, Susan	Biology, Geology and Environmental Science Physical Therapy Erlanger Hospital	Environmental Factors Related to Bacterial Nosocomial Infection in Hospital Intensive Care Units in Children's Hospitals: Assessment and Recommendations for Practice

UTC INTERNAL COMPETITIONS - PSRA

The Provost Student Research Awards (PSRA) are designed to provide UTC students with a special opportunity to participate in original research with faculty members.

Congratulations to the 2016 Provost Student Research Award recipients!

2016 Provost Student Research Awards Recipients		
Student Researcher	Faculty Advisor	Title
Biological & Environmental Sciences		
Bakland, Paul-Erik	Dr. Thomas Wilson	Prevalence and Severity of <i>Batrachochytrium dendrobatidis</i> in Natural Wetlands and Urban Retention Ponds in Southeast Tennessee
Blunck, Conrad	Dr. Hill Craddock	Integration of Livestock and Commercial Nut Production in the Southeast
Brocco, Cameron	Dr. Thomas Wilson	Spatial Analysis of Prevalence of Chytrid Fungus in an Amphibian Assemblage
Cychowski, Madeline	Dr. Loren Hayes	Personality and Predation: Boldness and Exploratory Behavior in <i>Octodon degus</i>
Grillo, Sara	Dr. Loren Hayes	Living Scared: Stress Physiology of Degus (<i>Octodon degus</i>) in Response to Experimentally Manipulated Predation Risk
Hale, Christine	Dr. Peggy Kovach	The Effects of E-Cigarette Exposure on Cell Viability and Gene Expression
Lindsay, Emily	Dr. Davy Giles	Elucidation of Proteins Involved in the <i>Vibrio cholerae</i> Chemotactic Response to Fatty Acids
Nabors, Macall	Dr. Thomas Wilson	Prevalence of <i>Batrachochytrium dendrobatidis</i> (Bd) in Watercourses Situated in Southeast Tennessee
Reyes, Elijah Jacob	Dr. Hope Klug	Social Learning as a Way to Escape Evolutionary History: Conserving the Barrens Topminnow
Ryan, Spenser	Dr. Jennifer Boyd	Exploring the Role of Local Adaptation in the Response of <i>Maianthemum canadense</i> to Climate Warming
Schrenker, Erin Alexandra	Dr. Thomas Wilson	Measuring the Prevalence of <i>Batrachochytrium dendrobatidis</i> in Amphibians Located in Cherokee National Forest in East Tennessee
Chemistry & Physics		
Dean, Patrick	Dr. John Lee	Development of Low-Cost Catalysts Involving Homogeneous Cobalt Complexes for the Selective Oxidation of Hydrocarbons to Alcohols
Robinson, Will	Dr. Kyle Knight	Novel Rigid Core Dendrimer Synthesis
Waters, Alexandra	Dr. Tatiana Allen	Studying Novel Iron-Based Oxides for Electronic Applications
Zdunek, Patrick	Dr. John Lee	Synthesis, Characterization and Reactivity of Ruthenium N-Heterocyclic Carbene Complexes with Pendant Donors
Civil, Chemical and General Engineering		
Boeger, Reed	Dr. Bradley Harris	Studying Bacterial Growth and Interactions in a Bioreactor
Downs, Megan	Dr. Soubantika Palchoudhury	Cost-Effective Synthesis and In-Vitro Evaluation of a New Multifunctional DNA-Conjugated Iron Oxide Nanodrug
Flowers, Steph	Dr. Weidong Wu	Finite Element Analysis of Fiber Reinforced Polymer Jacket Column Retrofit

2016 Provost Student Research Awards Recipients

Student Researcher	Faculty Advisor	Title
Yanagida, Hiroshi	Dr. Louie Elliott	Parametric Study of the Mechanical Properties of 3D Parts
Criminal Justice		
Bennett, April	Dr. Tammy Garland Dr. Morgan Cooley	Stopping the Pipeline to Prison: Dual Involvement in the Foster Care and Juvenile Justice System
I-O Psychology		
Brady, Lisa	Dr. Chris Cunningham	Effects of an Intervention on Student Stress, Test-Efficacy, and Sense of Coherence
Occupational Therapy		
Chesler, Sarah Hillary Johns Katie McDonnell	Dr. Janice Ryan	A Preliminary Research Project: Using a Psychosocial Occupational Therapy Approach to Equine-Assisted Treatment of Post-Traumatic Stress Reactions in Veterans
Cobble, Brittney Crider, Noel McKinney, Diane Mendiola, Fidela	Dr. Elicia Cruz	The Benefits of Therapeutic Crafts for the Development of Leisure Coping Skills Among Adolescents with SUD
Grimes, Cassie Howarth, Ashley Seagren, Chelsey	Dr. Jessica Crowe	Influence of the FIM on Occupational Therapists' Professional Reasoning for Discharge Planning in an Inpatient Rehabilitation Setting
Physical Therapy		
True, Hanna Jones, Jamie Meeks, John Mark Smith, Kelsey	Dr. Nancy Fell	Reliability of Automated Detection Differentiating Functional Activities, Falls, No Falls, and Fall Direction Using Body-Worn Sensors
Psychology		
Pendergast, Katherine	Dr. Nicky Ozbek	Variation in Resilience, Salivary Cortisol, and Olfaction Sensitivity in Response to Stress Induction
Slayton, Trevor	Dr. Jill Shelton	Climactic Interruptions and Their Effects on Prospective Memory and Purchasing Decisions
Social Work		
Murray, Heather	Dr. Morgan Cooley	Foster Parent Co-parenting and Identity: Associations with Foster Parent Outcomes and Child Well-Being
Newell, Elliott	Dr. Morgan Cooley	A Qualitative Exploration of Co-parenting and Parent Identity of Foster Mothers and Fathers: Implications for Enhancing Child Welfare Practice and Policy

UTC INTERNAL COMPETITIONS – UTC ENGAGED

The UTC Engaged program seeks to develop concrete connections between faculty, staff and students to the broader community, to support contemporary modes of community engagement and to engage and lead on community concerns by providing funds to support engaged research, scholarship and programming found at the intersections of arts, innovation and activation of space.

Congratulations to our 2015-16 UTC Engaged winners!

2016 UTC Engaged Award Recipients		
Team Members	Departments	Project Title
Hargrave, Katie Eckelmann, Susan	Art History	Learning from Long Haul: Place and Neighborhood Innovation
Harrison, Lisa Smith, Cathie	Physical Therapy	Art In Motion: Translating Physical Movement Into Art
Klug, Hope Carroll, Andy Foerder, Preston	Biology Vice Chancellor for Research Psychology	Developing the Aquarium – UTC Partnership
Melnik, Laurie	Southeast Center for Education in the Arts	Unsung Heroes: A 5th Grade Community Based Digital Storytelling Project
O'Brien, Andrew Lewis, Philip Andrew	Art	Tennessee Contemporary
Rogers, Brian Toppins, Augusta Tanis, Craig Doolittle, Amy Guo, Zibin	Library Art Computer Science & Eng. Social Work Sociology, Anthropology & Geo.	This is Chattanooga: Portrait of a City in Transition
Wigal, Cecilia Vogel, Christina Elliott, Louie	Computer Science & Eng. Art Civil, Chemical & General Eng.	Art for All

UTC INTERNAL COMPETITIONS – CEACSE AWARDS

The strategic goal of Center of Excellence in Applied Computational Science & Engineering (CEACSE) program is to enhance and expand UTC's strength in all aspects of applied computational science and engineering, thereby gaining national recognition as a premier multidisciplinary research and education center for applied computational science and engineering. The primary goal of this program is to enable development of new capabilities and extramural projects in the area of Computational Sciences.

Congratulations to our 2015-16 CEACSE winners!

2016 UTC CEACSE Award Recipients		
Team Members	Departments	Project Title
Arabshahi, Abdollah Webster, Robert Sreenivas, Kidambi	SIM Center	Computational Simulations of the Aerothermal Environment of Hypersonic Flight Vehicles
Heath, Gregory Sartipi, Mina Newman, James	Health & Human Performance Computer Science &Engineering SIM Center	Intelligent Urban Planning
Loveless, T. Daniel Sreenivas, Kidambi	Electrical Engineering SIM Center	Modeling Space and Defense Environmental Effects in Emerging Integrated Circuit Technologies
Newman, James Sreenivas, Kidambi Webster, Robert Arabshahi, Abdollah	SIM Center	FUNSAFE Framework Development for Enhanced Multidisciplinary and Multiphysics Simulations
Reising, Donald Sartipi, Mina Loveless, T. Daniel	Electrical Engineering Computer Science &Engineering	Smart Buildings through Smarter Models
Sartipi, Mina Tanis, Craig	Computer Science &Engineering	Smart Urban Connectivity Powered by Mobility-on-Demand Public Transportation and Citywide Public Communications
Sisworahardjo, Nur Arabshahi, Abdollah Sreenivas, Kidambi	Electrical Engineering SIM Center	Near Real-time Detection of Anomalous Power Consumption in Smart Power Distribution Networks
Sreenivas, Kidambi Webster, Robert Arabshahi, Abdollah	SIM Center	Towards Simulation of Vertical Axis Wind Turbines in Offshore Settings
Tanis, Craig Sreenivas, Kidambi	Computer Science &Engineering SIM Center	Optimizing FUNSAFE for Leadership-class Machines
Webster, Robert Sreenivas, Kidambi Arabshahi, Abdollah	SIM Center	Numerical Simulations of Axial Compressor Flow Fields Employing Higher-Order Accuracy
Elliott, Trevor Evans, Jan	Mechanical Engineering	Investigation of Resources and Planning for an Advanced Manufacturing Applications Center (AMAC) at UT Chattanooga

UTC INTERNAL COMPETITIONS – FACULTY PREP

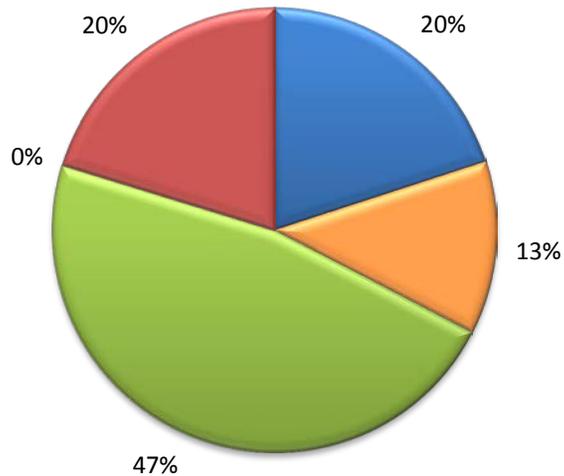
UTC's faculty members are its most important intellectual resources. Hiring and mentoring new faculty requires a substantial investment of time and money by the Institution and the Department. As a means of further ensuring success towards promotion and tenure, the Office of the Vice Chancellor for Research is piloting the Faculty Pre-Tenure Enhancement Program (PREP) to support pre-tenure faculty in bolstering their research portfolio in anticipation of the promotion and tenure process.

Congratulations to our 2015-16 Faculty PREP winners!

2016 Faculty Prep Award Recipients		
Awardee	Department	Project Title
Arnett, James	English	<i>African Affects & Whose African Literature?</i> Field Research & Infrastructural Support for Monographs & Article Publication
Auchter, Jessica	Psychology	Global Health Governance: Cultural and Political Dimensions of Dead Bodies in Health Crises
Giles, David	Biology	Time to get ahead: A pursuit of publications and external funding
Kuby, William	History	Conjugal Misconduct: Forbidden Love and Marriage Law in the Twentieth-Century United States
Wang, Endong	Engineering Management & Technology	A systematic investigation on principal energy determinants of U.S. residential buildings

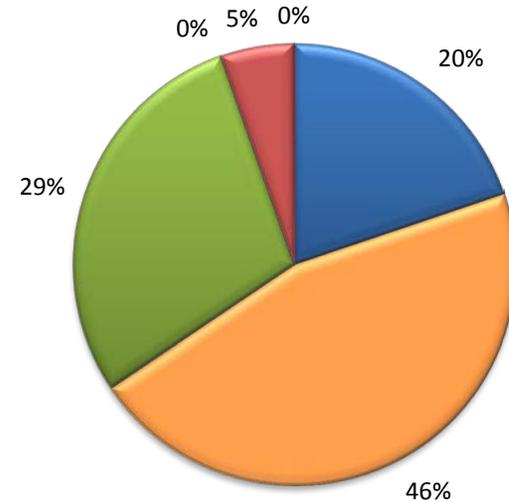
UTC SPONSORED PROGRAM AWARDS & SUBMISSIONS FY 2016

**Total UTC External Funding:
\$8,833,814**



- Arts & Sciences (\$1,767,897)
- Engineering & Computer Science (\$1,106,583)
- Health, Education & Professional Studies (\$4,170,202)
- Honors College (\$1,000)
- Administrative Units (\$1,788,132)

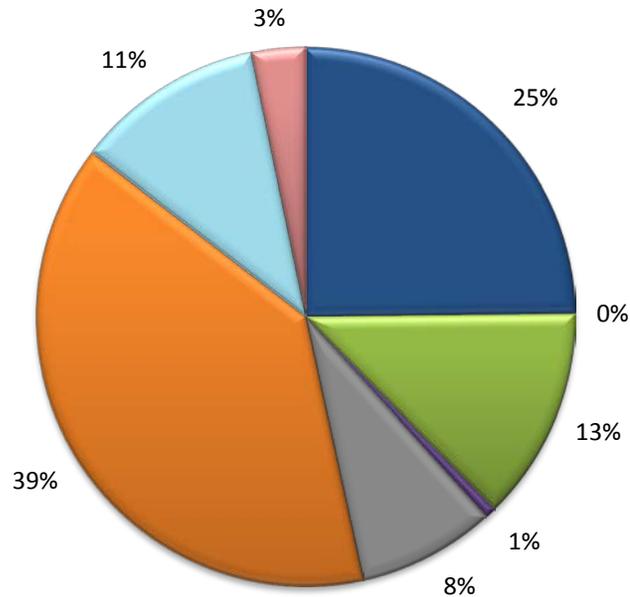
**Total External Funds Requested:
\$34,605,577**



- Arts & Sciences (\$6,860,259)
- Engineering & Computer Science (\$15,828,442)
- Health, Education & Professional Studies (\$10,048,859)
- Honors College (\$1,000)
- Administrative Units (\$1,858,291)
- Library (\$8,726)

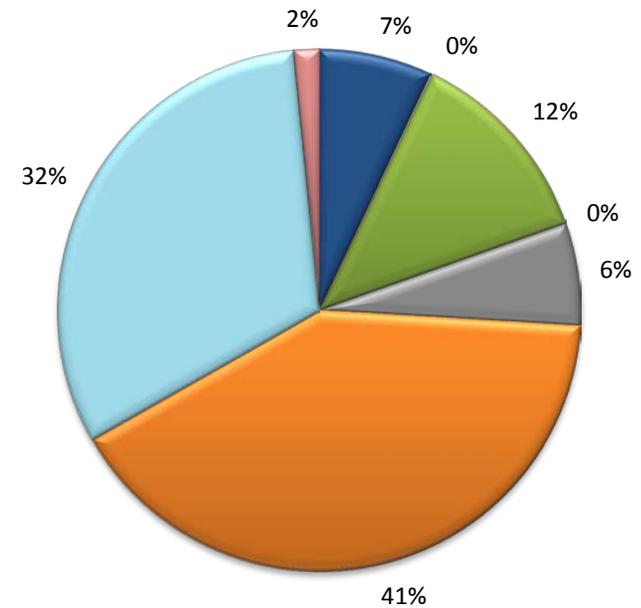
UTC SPONSORED PROGRAMS BY FUNCTIONAL AREA*

FY 2016 Awards by Functional Area



- Academic Services (\$2,188,300)
- Conference/Seminar (\$5,000)
- Instruction/Training (\$1,129,520)
- Institutional Support (\$60,000)
- Public Service (\$730,579)
- Research (\$3,432,805)
- Scholarships/Fellowships (\$1,002,864)
- Student Services (\$284,746)

FY 2015 Submissions by Functional Area

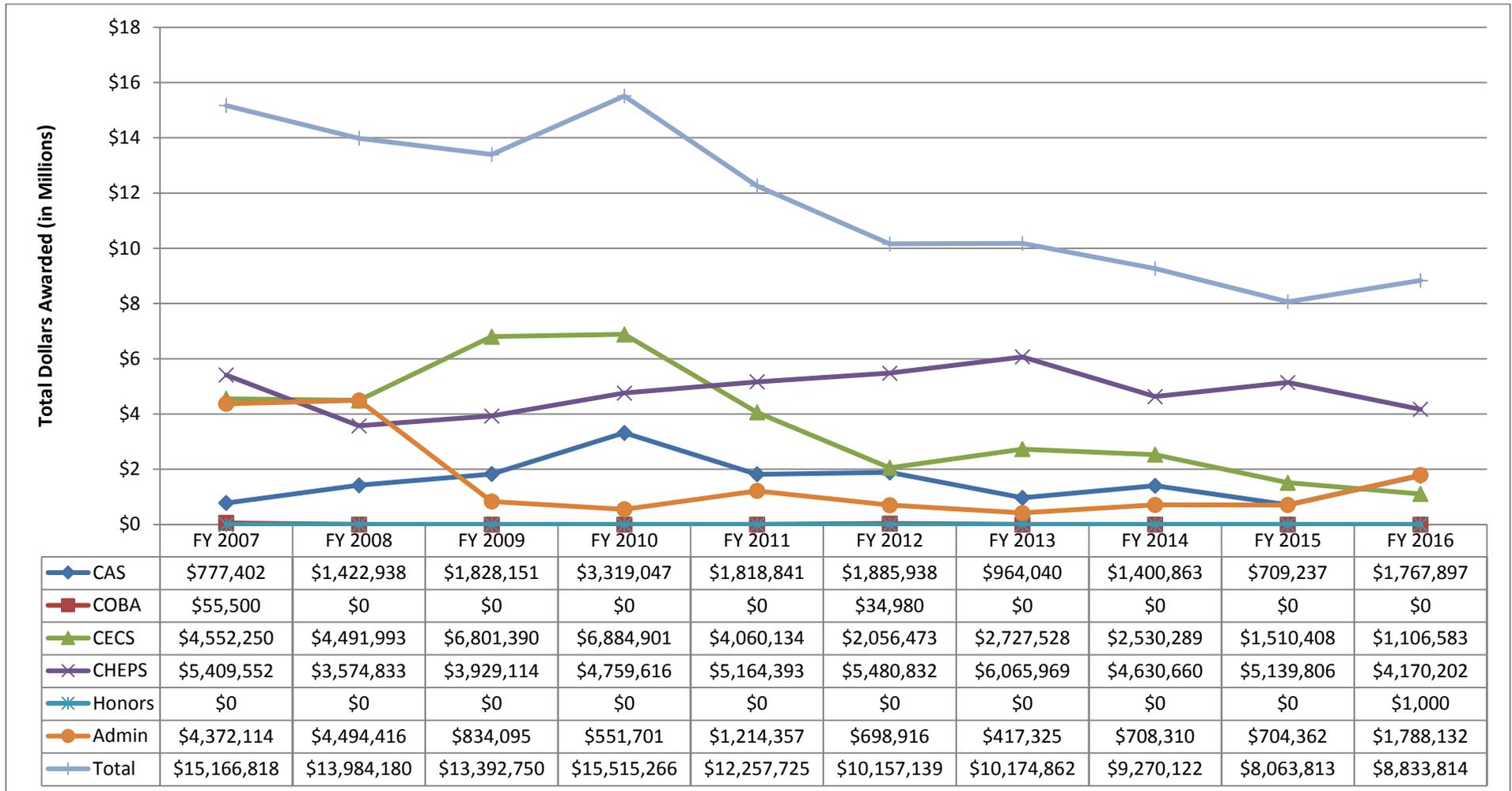


- Academic Services (\$2,420,609)
- Conference/Seminar (\$52,000)
- Instruction/Training (\$4,307,946)
- Institutional Support (\$0)
- Public Service (\$2,198,491)
- Research (\$14,119,407)
- Scholarships/Fellowships (\$10,968,736)
- Student Services (\$538,388)

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

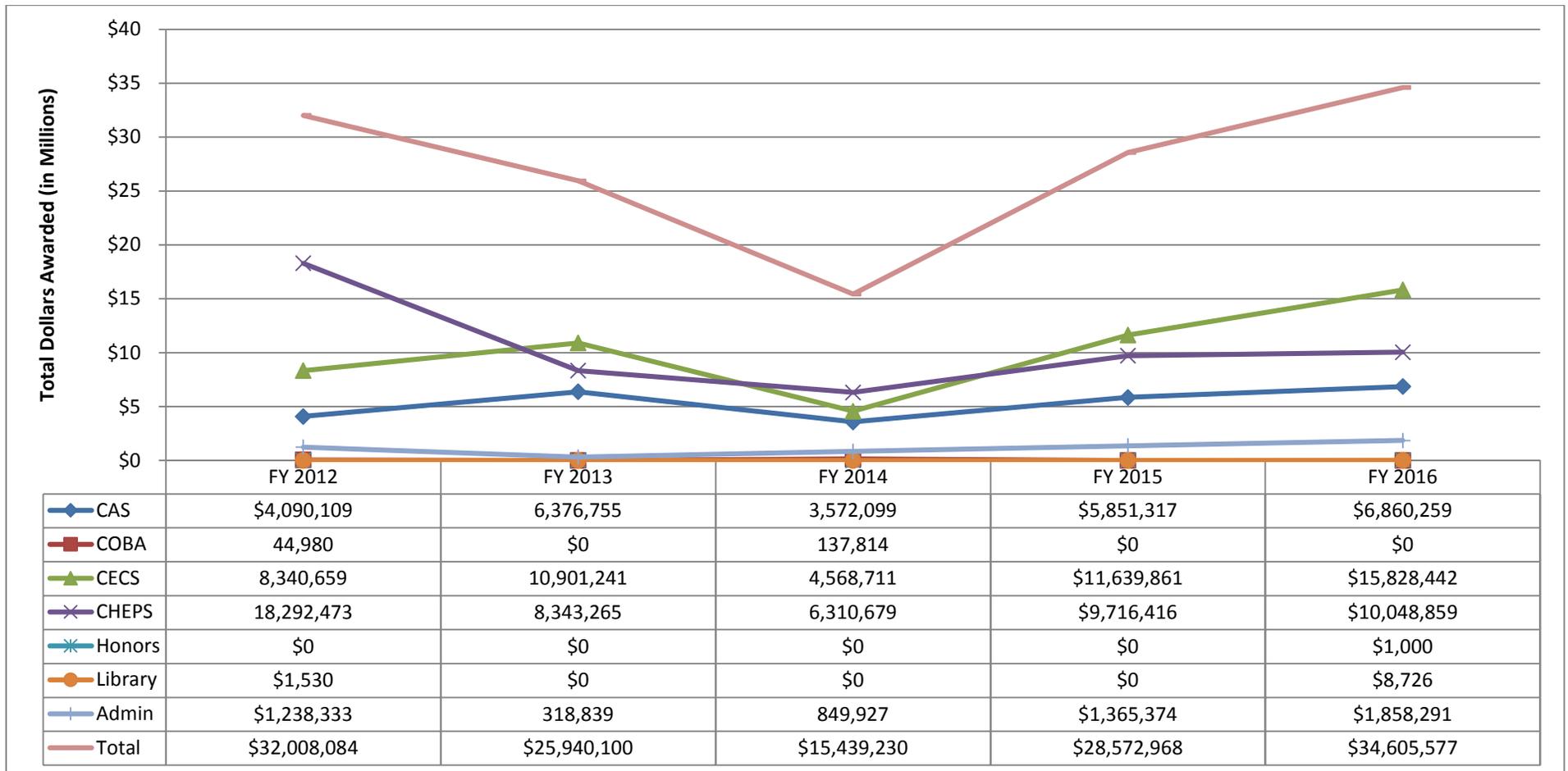
TEN-YEAR FUNDING TRENDS BY COLLEGE

FISCAL YEARS 2007 - 2016



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;
 Honors = Honors College; Admin = Administrative/Other Units.

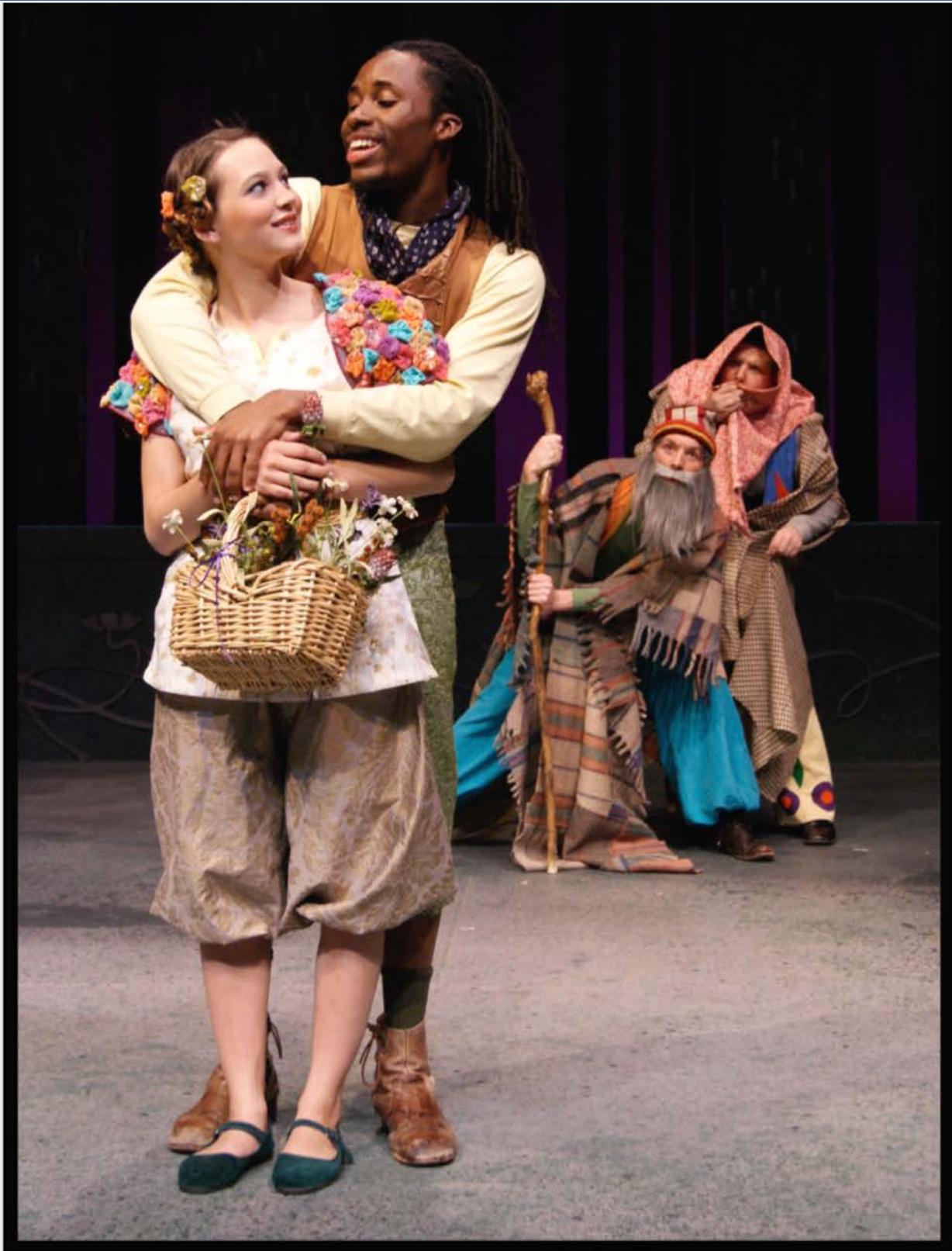
FIVE YEAR SUBMISSIONS TRENDS BY COLLEGE FISCAL YEARS 2012 - 2016



Notes:

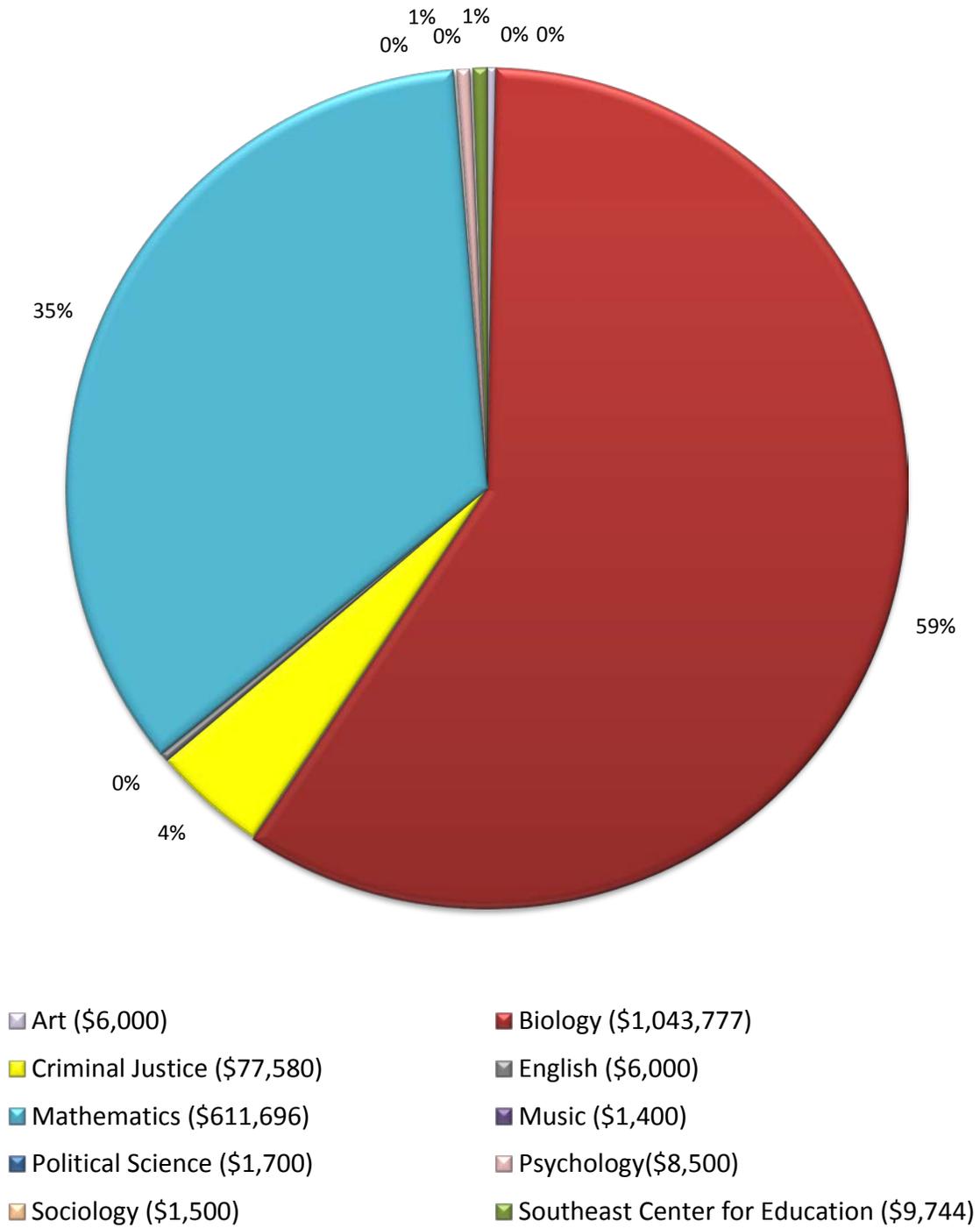
CAS = College of Arts & Sciences; COBA = College of Business Administration; CECS = College of Engineering & Computer Science; CHEPS = College of Health, Education, and Professional Studies; Honors = Honors College; Admin = Administrative/Other Units.

ARTS & SCIENCES



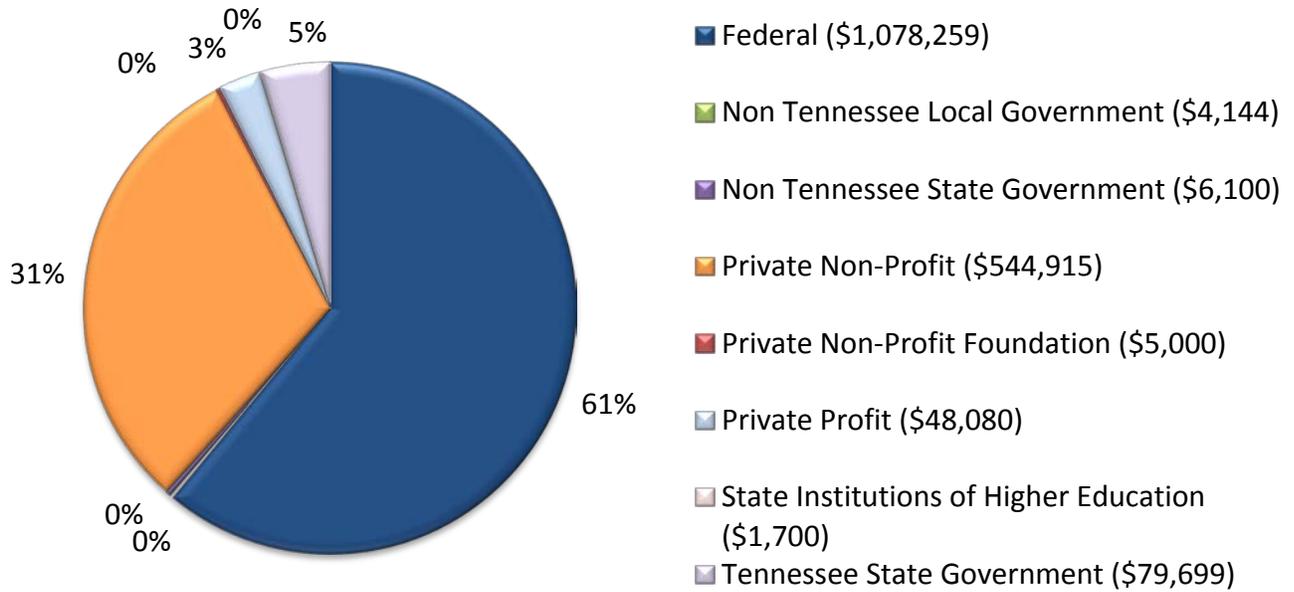
ARTS & SCIENCES

**Total CAS External Funds Awarded:
\$1,767,897**

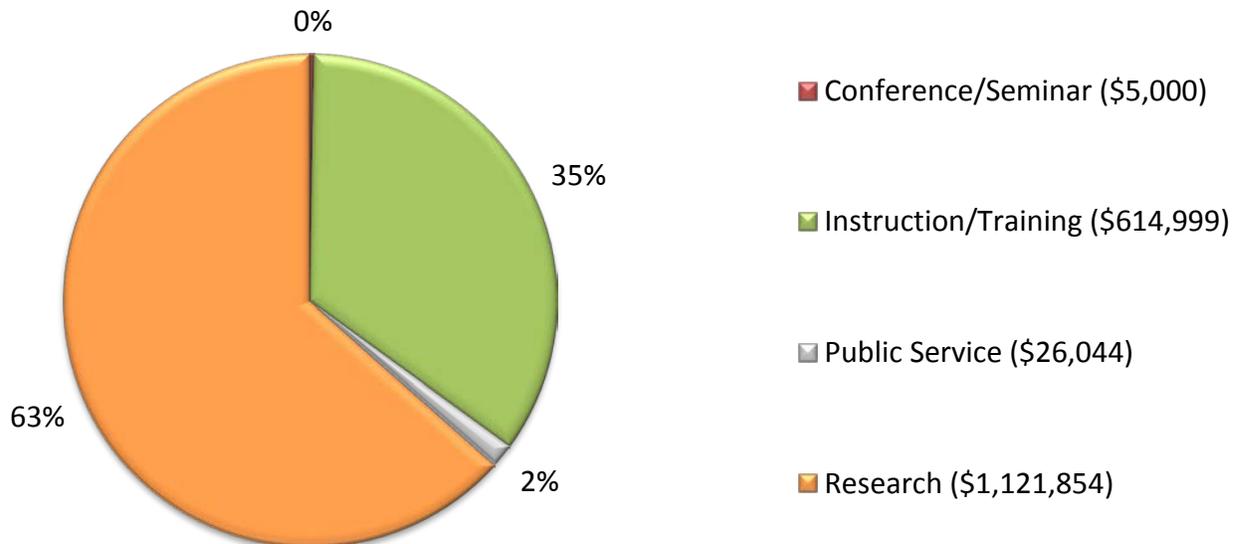


ARTS & SCIENCES

Awards by Source



Awards by Functional Area



ARTS & SCIENCES

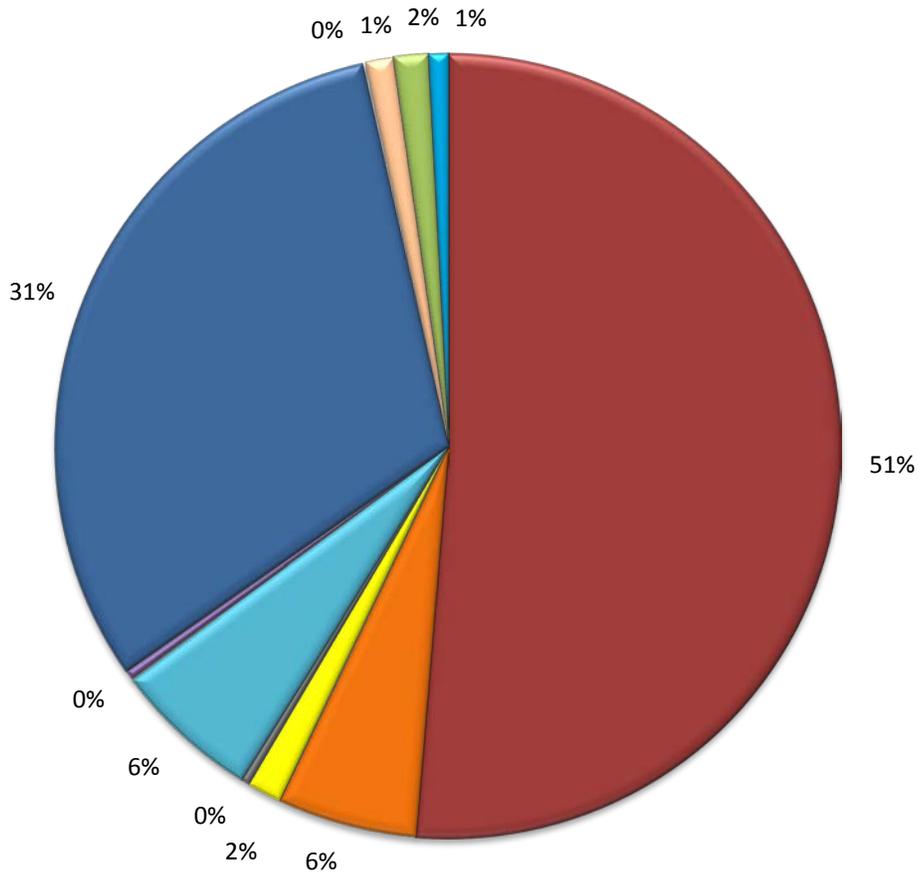
Notes: Functional Areas (FA): AS = Academic Services; C/S = Conference/Seminar; IS = Institutional Support; I/T = Instruction/Training; PS = Public Service; R = Research; S/F = Scholarships/Fellowships; SS = Student Services. Awards are listed alphabetically by administering department and name of the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

Awards by Department				
Lead PI/PD	Funder	Title	Amount	FA
Art				
Grover, Ruth	National Endowment for the Humanities	Conservation of collected artworks on paper at the University of Tennessee at Chattanooga	\$6,000	PS
Biology				
Aborn, David	Tennessee River Gorge Trust	Assessing post-fledging survival and foraging habitat of Cerulean Warblers in the Tennessee River Gorge	\$4,605	R
Barbosa, Jose	Dialysis Clinic, Inc.	Balloon Angioplasty of Dialysis AV Fistulae: Effect of Local Delivery of Inhibitors of Lysyl Oxidase on Serial Angioplasty and Time to Restenosis	\$426,043	R
Boyd, Jennifer	Cumberland Trail Conference	Cumberland Trail Conference Connector Program	\$68,267	R
Craddock, J	The American Chestnut Foundation	Identifying novel sources of resistance to Phytophthora root rot and assessment of a quantitative trait locus for resistance in interspecific Castanea hybrids	\$5,000	R
Klug, Hope	National Science Foundation	CAREER: The Operation of Sexual Selection revisited	\$535,262	R
Shaw, Joey	Arkansas Natural Heritage Commission (ANHC)	Distribution of genetic diversity within North American Castanea: a phylogeographic sampling scheme to resolve taxonomic and conservation questions within the chinquapins and chestnuts	\$4,600	R
Criminal Justice				
Bumphus, Victor	International Association of Chiefs of Police (IACP)	Service, Support & Justice: A Strategy to Enhance Law Enforcement Response to Victims Technical Assistance	\$39,580	R
Eigenberg, Helen	Tennessee Coalition to End Domestic and Sexual Violence	Victim Assistance Academy	\$38,000	I/T
English				
Noe, Marcia	Society for the Study of Midwestern Literature	Editing journals - MidAmerica and Midwestern Miscellany - for the Society for the Study of Midwestern Literature	\$6,000	PS
Mathematics				
Barioli, Francesco	Tennessee Higher Education Commission	Real-World Applications for the Mathematics Classroom	\$74,699	I/T

Awards by Department				
Lead PI/PD	Funder	Title	Amount	FA
Wang, Jin	National Science Foundation	QuBBD: Collaborative Research: Precision medicine and the management of infectious diseases	\$36,997	R
	National Science Foundation	I-Math: Interdisciplinary Math Training at UTC	\$500,000	I/T
Music				
Tejero, Nikolasa	ArtsBuild	River City Clarinet Winter Festival 2016	\$1,400	PS
Political Science				
Khmelko, Irina	Ohio State University	Center for Slavic and East European Studies NRC	\$1,700	I/T
Psychology				
Cunningham, Christopher	McKee Foods Corporation	McKee Foods Wellness Project	\$8,500	PS
Sociology				
Honerkamp, Nicholas	Georgia Department of Natural Resources	Conducting Archaeological Survey and Testing at Bush Camp Field and Behavior, Sapelo Island, Georgia	\$1,500	R
Southeast Center for Education				
Melnik, Laurie	Tennessee Arts Commission	9th Annual Arts & Education Forum	\$5,000	C/S
	Baton Rouge Center for the Visual and Performing Arts	Teaching and Learning Through the Arts	\$4,144	PS
	Hunter Museum of American Art	Art of Diagnosis: Strengthening Social Determinants of Health through Visual Art and Applied Drama Methodologies	\$600	I/T
Arts & Sciences Total Dollars Awarded: \$1,767,897				

ARTS & SCIENCES

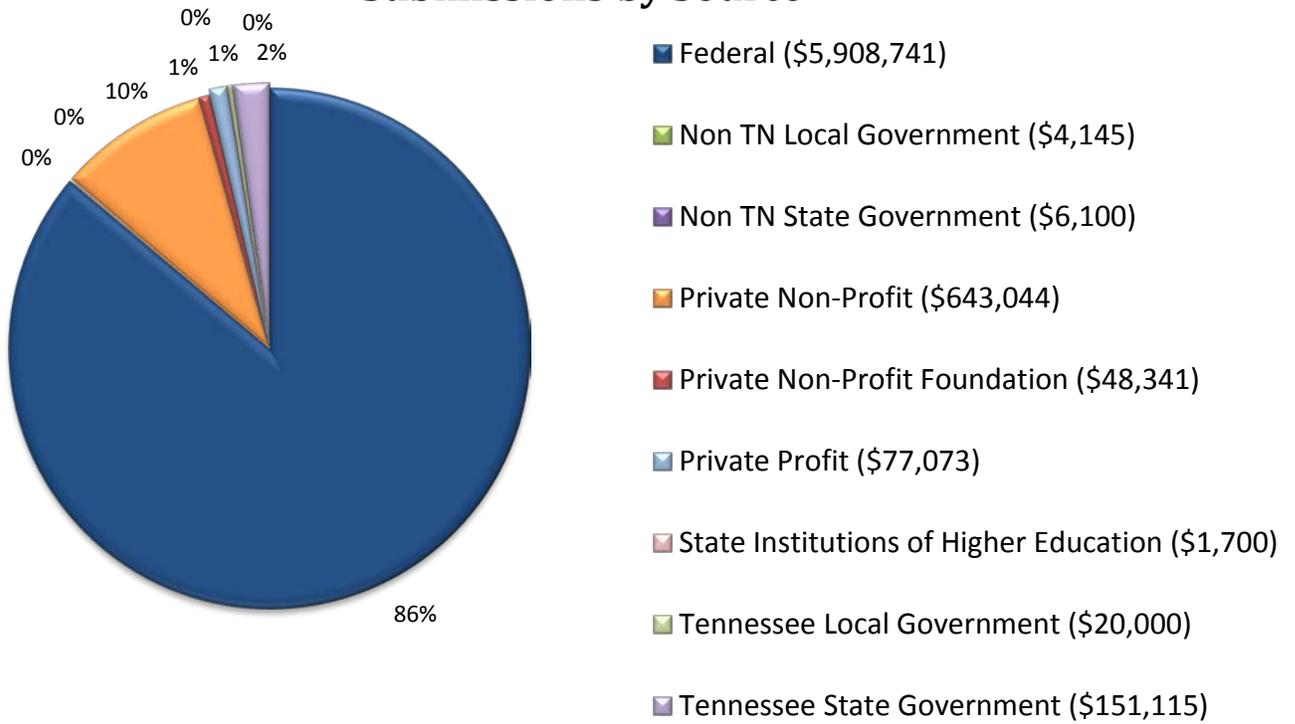
**Total CAS Funds Requested:
\$6,860,259**



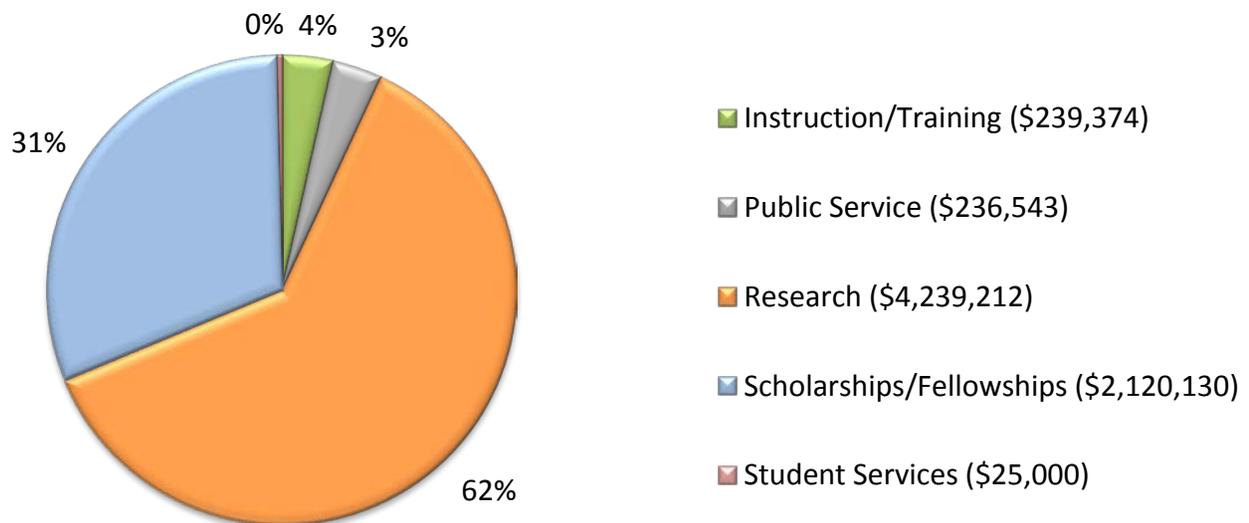
- Biological & Environmental Sciences (\$3,520,805)
- Chemistry (\$392,735)
- Criminal Justice (\$97,457)
- English (\$25,980)
- Mathematics (\$414,609)
- Music (\$26,600)
- Political Science, Public Admin & Nonprofit Mgmt (\$2,141,030)
- Psychology (\$8,500)
- Sociology, Anthropology & Geography (\$79,771)
- Southeast Center for Education in the Arts (\$98,081)
- Theatre and Speech (\$54,691)

ARTS & SCIENCES

Submissions by Source



Submissions by Functional Area



ARTS & SCIENCES

Notes: 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 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.

Submissions by Department				
Lead PI/PD	Funder	Title	Amount	FA
Biological & Environmental Sciences				
Barbosa, Jose	Dialysis Clinic, Inc.	Balloon Angioplasty of Dialysis AV Fistulae: Effect of Local Delivery of Inhibitors of Lysyl Oxidase on Serial Angioplasty and Time to Restenosis	\$426,042	R
Boyd, Jennifer	Cumberland Trail Conference	Cumberland Trail Conference Connector Program	\$68,267	R
	National Science Foundation	RUI: Exploring the Responses and Roles of Mycorrhizae in Conventional Versus Silvopastoral Orchard Floor Management	\$434,077	R
	National Science Foundation	Preliminary - RUI: Exploring climate change impacts on imperiled eastern hemlock within a trophic and locally adaptive framework	\$0	R
	National Science Foundation	Preliminary - RUI: Reasons for Rarity? Exploring Acclimatory and Adaptive Constraints of Relative Abundance	\$0	R
Carver, Ethan	National Institutes of Health	In-depth analysis of e-cigarette filling solutions and their biological implications	\$378,030	R
Chatzimanolis, Stylianos	National Science Foundation	Preliminary -The evolution of myrmecophily in a major Neotropical lineage of rove beetles.	\$0	R
Craddock, J. Hill	The American Chestnut Foundation	Identifying novel sources of resistance to Phytophthora root rot and assessment of a quantitative trait locus for resistance in interspecific Castanea hybrids	\$5,000	R
	Appalachian Regional Commission	Preliminary - The Silvopasture Project	\$0	R
	US Dept. of Agriculture	Integration of Silvopasture and Nut Production in the Southeast	\$7,906	R
Gaudin, Timothy	National Science Foundation	Preliminary - In search of the ancestors of the two-toed sloth: phylogeny of the Megalonychidae (Mammalia, Xenarthra, Folivora) and the early history of sloths in South America	\$0	R
Giles, David	National Institutes of Health	The Impact of Exogenous Polyunsaturated Fatty Acids on Phospholipid Remodeling and Virulence Phenotypes in Pathogenic Vibrio species	\$336,358	R
Hayes, Loren	RGK Foundation	Preliminary - Minority Women in Sciences Endeavor (WiSE): A pilot program to recruit and retain minority women in the environmental sciences	\$0	S/F

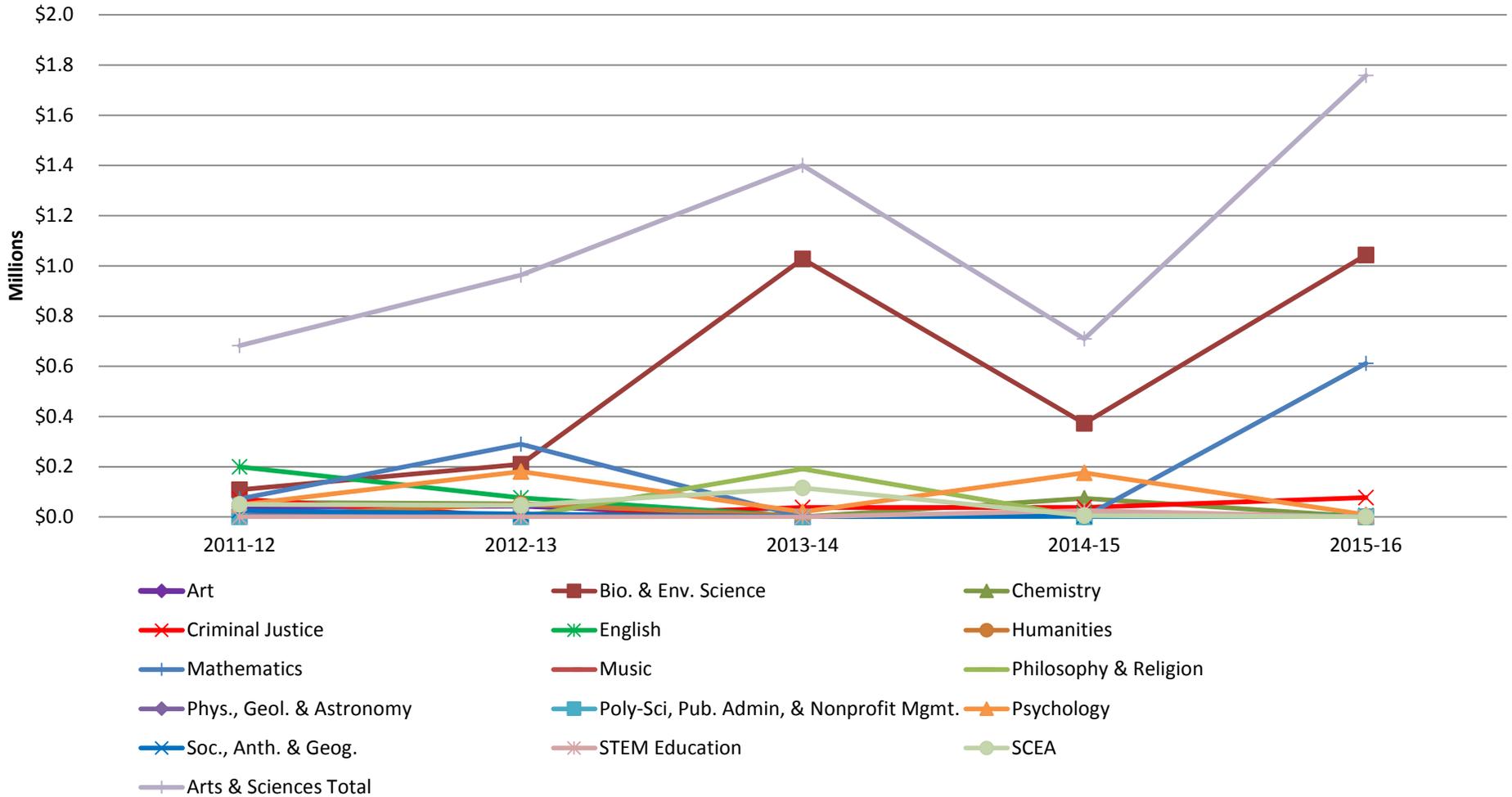
Submissions by Department				
Lead PI/PD	Funder	Title	Amount	FA
	National Science Foundation	Preliminary - Ecological and mechanistic explanations for sociality-direct fitness variation	\$0	R
	National Science Foundation	RCN: Mammalian Social Variation: Building long-term studies of mechanistic diversity	\$499,683	R
Klug, Hope	National Endowment for the Humanities	NEH Enduring Questions Course on The Value of Nature	\$27,980	I/T
	National Science Foundation	CAREER: The operation of sexual selection revisited	\$832,025	R
O'Neill, Eric	National Science Foundation	Preliminary - Ecogeographic evolution in an introduced species	\$0	R
Romagni, Joanne	National Science Foundation	REU Site: Research Experiences for Undergraduates in Ecological Chemistry at the University of Cadiz, Spain	\$471,722	R
Shaw, Joey	Arkansas Natural Heritage Commission (ANHC)	Distribution of genetic diversity within North American Castanea: a phylogeographic sampling scheme to resolve taxonomic and conservation questions within the chinquapins and chestnuts	\$4,600	R
Spratt, Henry	Aegle Gear	Efficacy and Effectiveness of Aegle Anti-microbial Scrubs	\$22,417	R
	Richmar Medical Devices	Development of a Protocol to Disinfect GelShot Ultrasound Retaining Clips	\$6,698	R
Chemistry				
Kim, Jisook	National Science Foundation	Acquisition of a High Resolution Accurate Mass QTOF LC-Mass Spectrometer	\$392,735	R
Criminal Justice				
Bumphus, Victor	City of Chattanooga	Public Safety Outreach and Support Evaluation	\$20,000	R
	International Association of Chiefs of Police (IACP)	Service, Support & Justice: A Strategy to Enhance Law Enforcement Response to Victims Technical Assistance	\$39,458	R
Eigenberg, Helen	Tennessee Coalition to End Domestic and Sexual Violence	Victim Assistance Academy	\$37,999	I/T
English				
Jones, Rebecca	National Endowment for the Humanities	Enduring Questions - What is Nature? Perspectives on Our Relationship to the Natural World	\$19,980	I/T
Noe, Marcia	Society for the Study of Midwestern Literature	Society for the Study of Midwestern Literature Journal Editing - Support for Marcia Noe as Editor-in-Chief	\$6,000	PS
Mathematics				
Barioli, Francesco	Tennessee Higher Education Commission	Real-World Applications for the Mathematics Classroom	\$74,679	I/T
Gao, Cuilan	Tennessee Higher Education Commission	Promoting High-tech Classroom Teaching in Grades 9-12 Math and Science Education	\$66,436	I/T
Wang, Jin	National Science Foundation	Collaborative Research: Building a Numerical Framework for Sharp-Interface Gas-Liquid-Solid Multiphysics Simulation	\$236,498	R
	National Science	QuBBD: Collaborative Research: Precision	\$36,996	R

Submissions by Department				
Lead PI/PD	Funder	Title	Amount	FA
	Foundation	medicine and the management of infectious diseases		
Modern & Classical Literature				
Welsh, Tamara	Florida State University (FSU)	Preliminary - Self-Control and Body Modification	\$0	R
Music				
Ford, Joseph	Alliance of Women Philanthropists - Giving Circle	UTC Chamber Singers International Concert Tour to Ireland and Scotland	\$25,000	SS
Tejero, Nikolasa	ArtsBuild	River City Clarinet Winter Festival 2016	\$1,600	PS
Political Science				
Deardorff, Michelle	National Science Foundation	ASPIRE: Appalachian Students Promoting the Integration of Research in Educations	\$2,120,130	S/F
Khmelko, Irina	Eurasia Foundation	US-Russia University Partnership Program - UTC and Nizhny Tagil State Socio-Educational Academy	\$19,200	R
	Ohio State University (OSU)	Center for Slavic and East European Studies NRC	\$1,700	I/T
Psychology				
Cunningham, Christopher	McKee Foods Corporation	McKee Foods Wellness Project	\$8,500	PS
Sociology				
Guo, Zibin	US Dept. of Veteran's Affairs	Wheelchair Tai Chi Chuan as an Adaptive Sport for Veterans with Ambulatory Disability	\$78,271	PS
Honerkamp, Nicholas	Georgia Department of Natural Resources	A Proposal for Conducting Archaeological Survey and Testing at Bush Camp Field and Behavior, Sapelo Island, Georgia	\$1,500	R
Southeast Center for Education				
Melnik, Laurie	ArtsBuild	Imagine! TLTA: To support professional development in teaching and learning through the arts for K-5 teachers and arts specialists.	\$83,336	PS
	Baton Rouge Center for the Visual and Performing Arts	Teaching and Learning Through the Arts	\$4,145	PS
	Hunter Museum of American Art	Art of Diagnosis: Strengthening Social Determinants of Health through Visual Art and Applied Drama Methodologies	\$600	I/T
	Tennessee Arts Commission	The 10th Annual Arts & Education Forum Series	\$10,000	I/T
Theatre & Speech				
Hacker-Cerulean, Jeannie	Community Foundation of Greater Chattanooga Incorporated	Moccasin Bend Arts Festival	\$18,341	PS
	National Endowment for the Arts	Moccasin Bend Nature and Art Festival	\$36,350	PS
Arts & Sciences Total Dollars Requested = \$6,860,259				

ARTS & SCIENCES

FIVE-YEAR FUNDING TRENDS BY DEPARTMENT

FISCAL YEARS 2012 - 2016





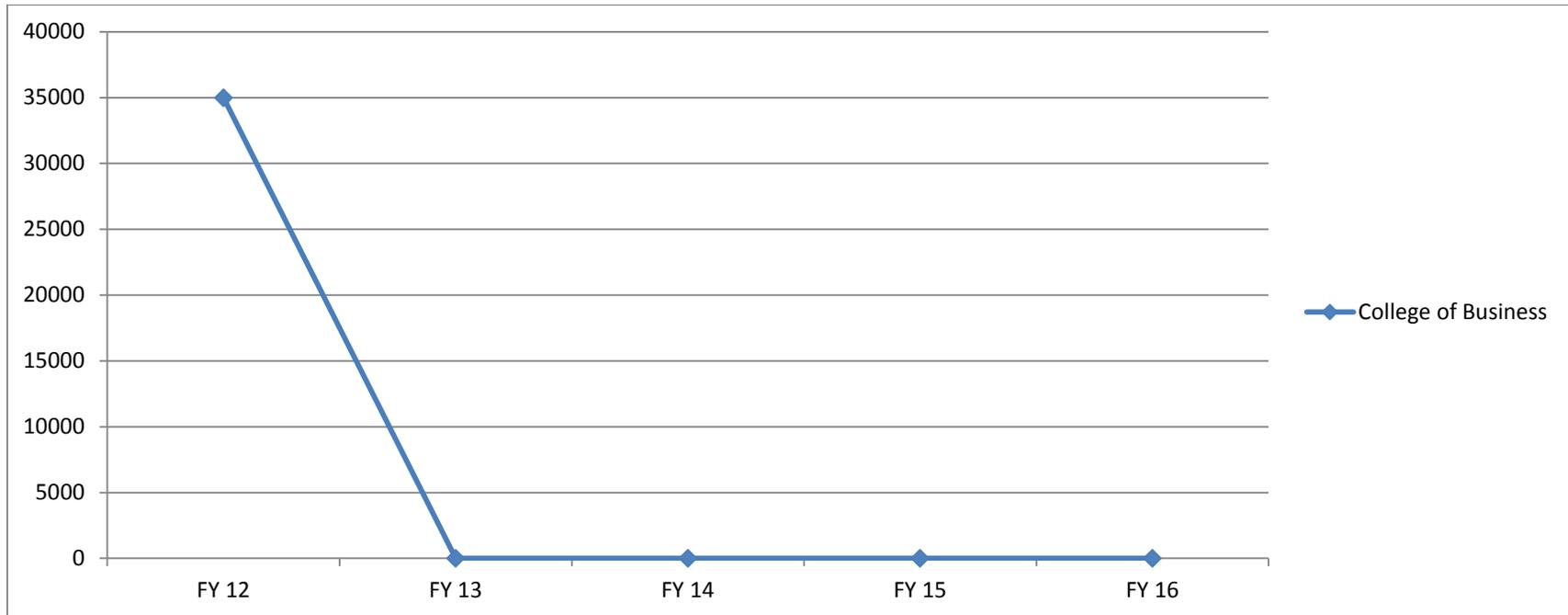
BUSINESS



COLLEGE OF BUSINESS FIVE-YEAR FUNDING TRENDS FISCAL YEARS 2012 - 2016

FY 2016 External Funds Awarded: \$0

FY 2016 External Funds Requested: \$0





HONORS COLLEGE



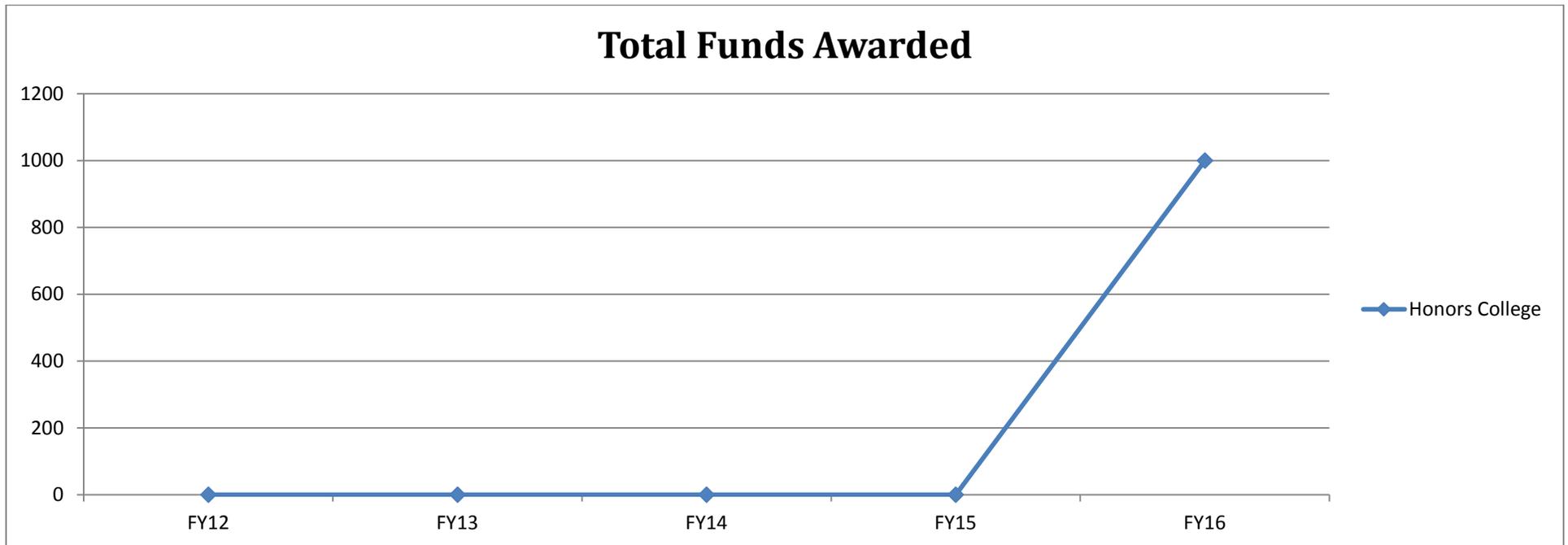
HONORS COLLEGE FIVE-YEAR FUNDING TRENDS FISCAL YEARS 2012 - 2016

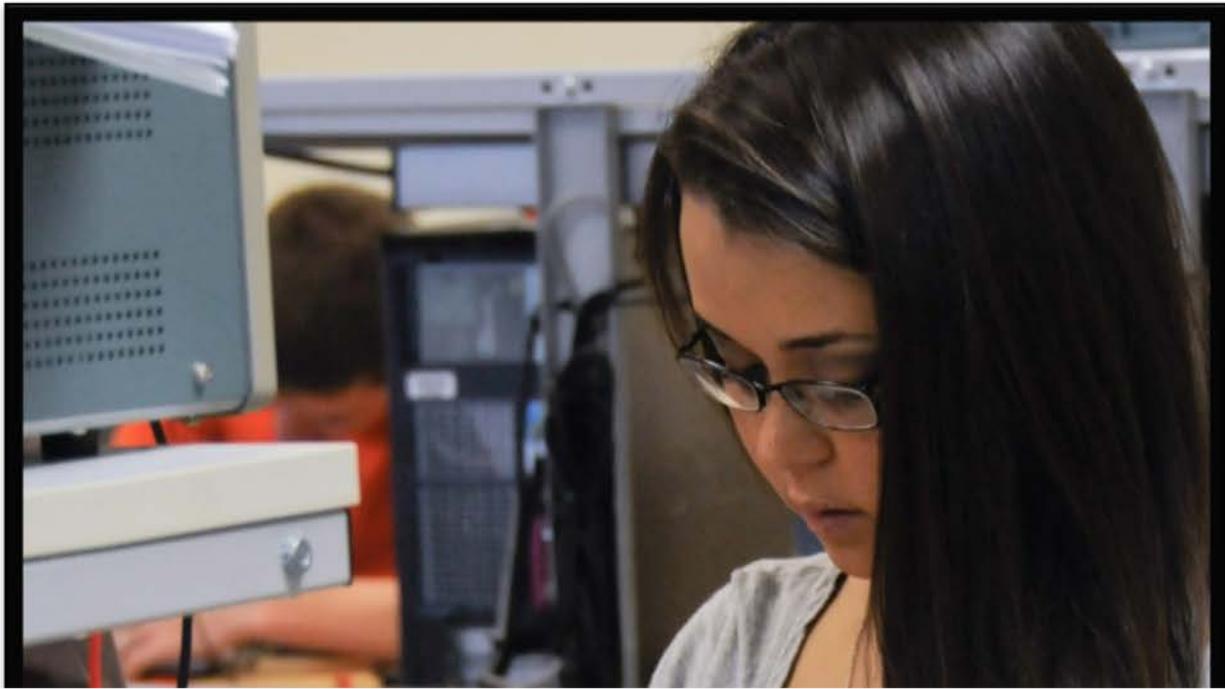
FY 2016 External Funds: \$1,000

Honors College Awards and Submissions

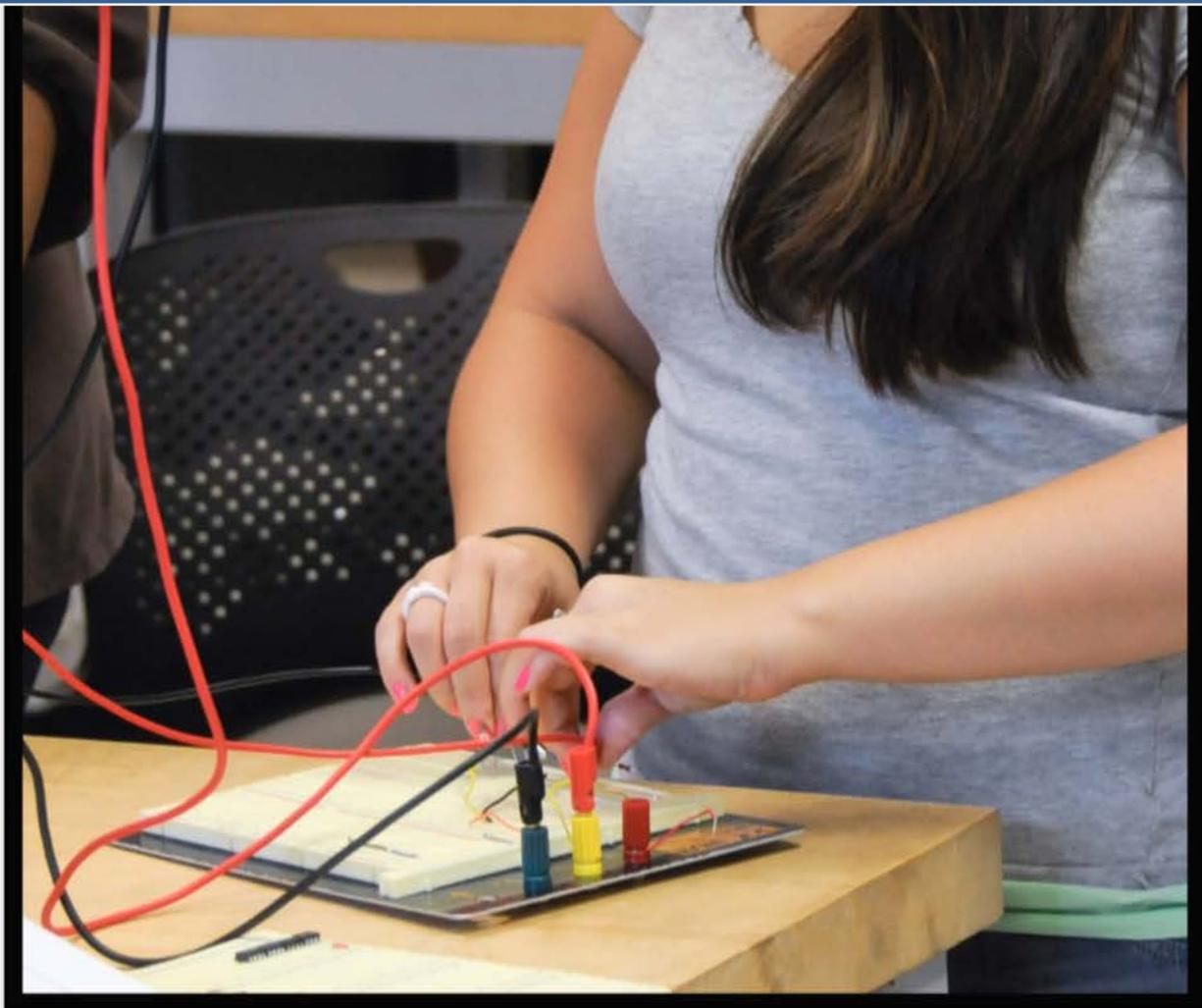
Lead PI/PD	Funder	Title	Amount	FA
O'Dea, Gregory	Community Foundation of Western North Carolina	Storytelling Project	\$1,000	PS

Total Funds Awarded



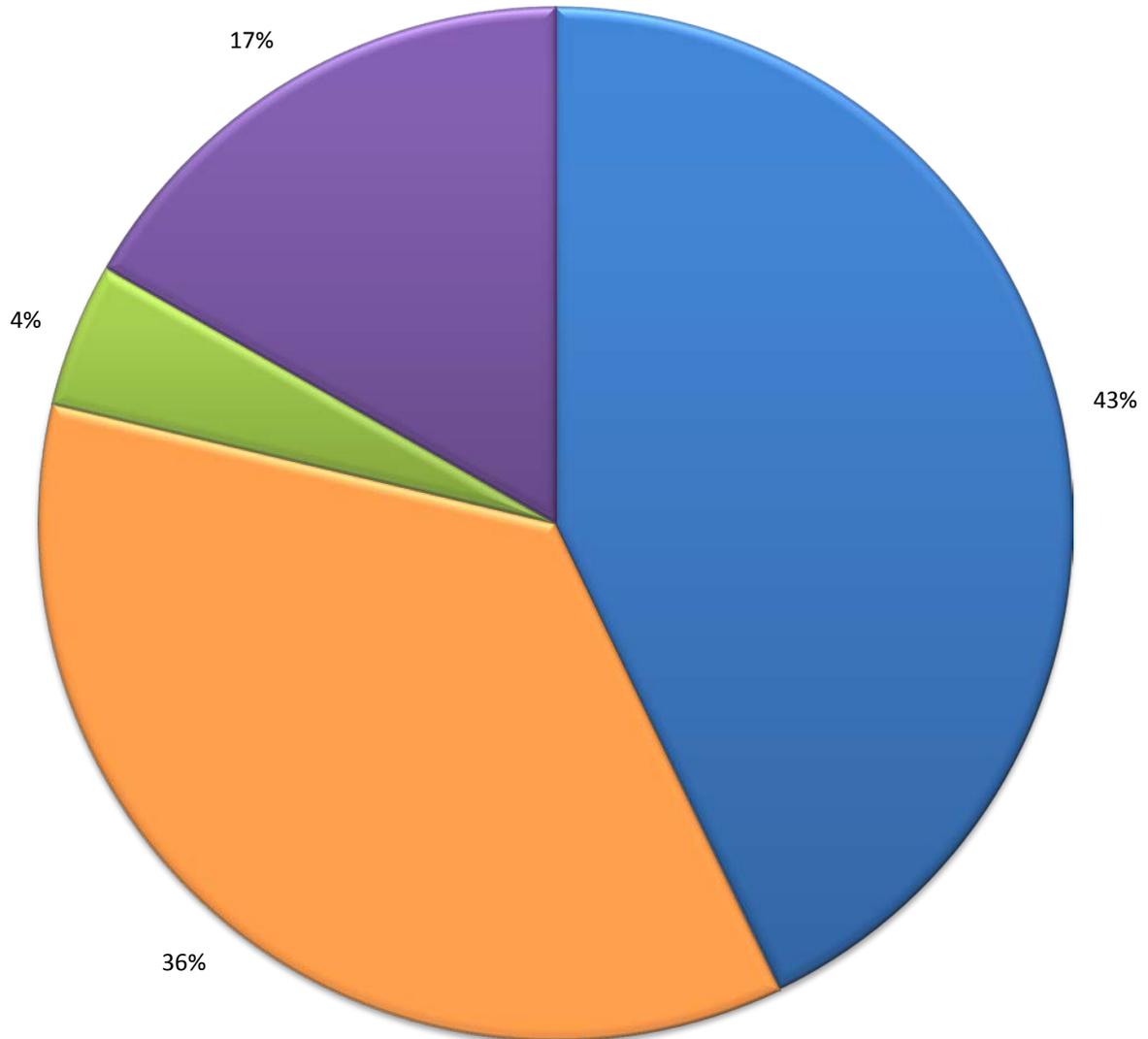


ENGINEERING & COMPUTER SCIENCE



ENGINEERING & COMPUTER SCIENCE

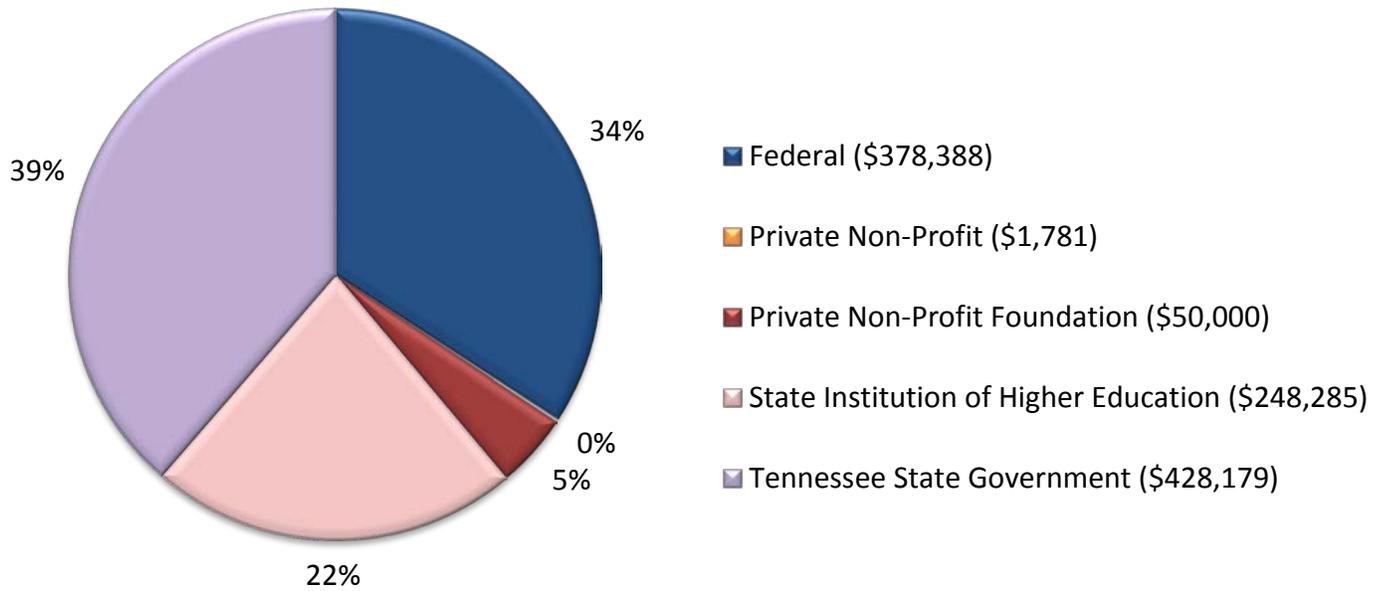
**Total CECS External Funds Awarded:
\$1,106,583**



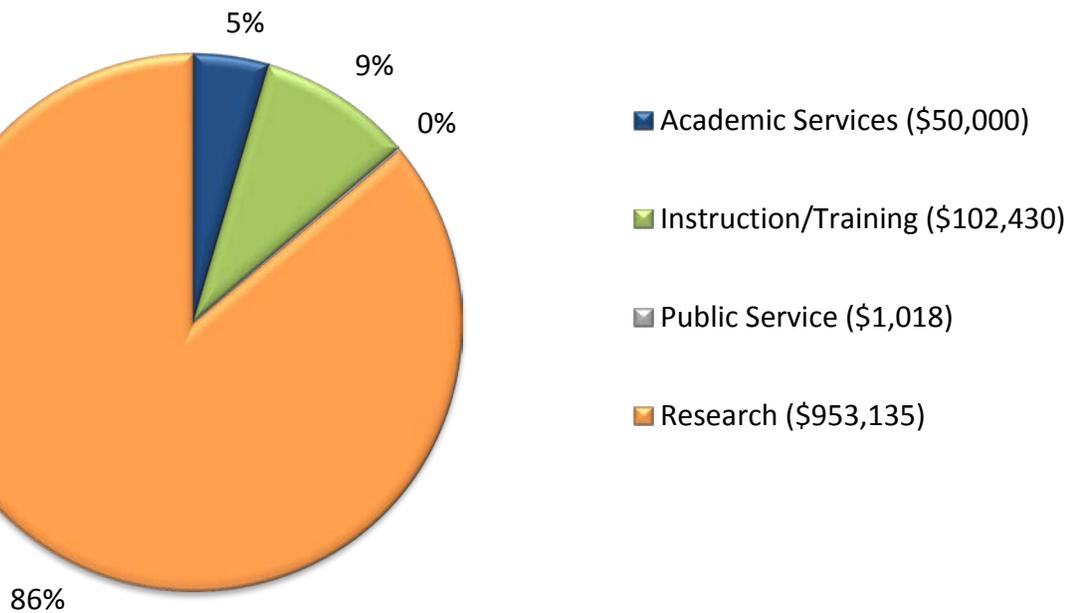
- Civil, Chemical, & General Engineering (\$474,130)
- Electrical Engineering (\$396,992)
- Mechanical Engineering (\$50,000)
- SIM Center (\$185,461)

ENGINEERING & COMPUTER SCIENCE

Awards by Source



Awards by Functional Area



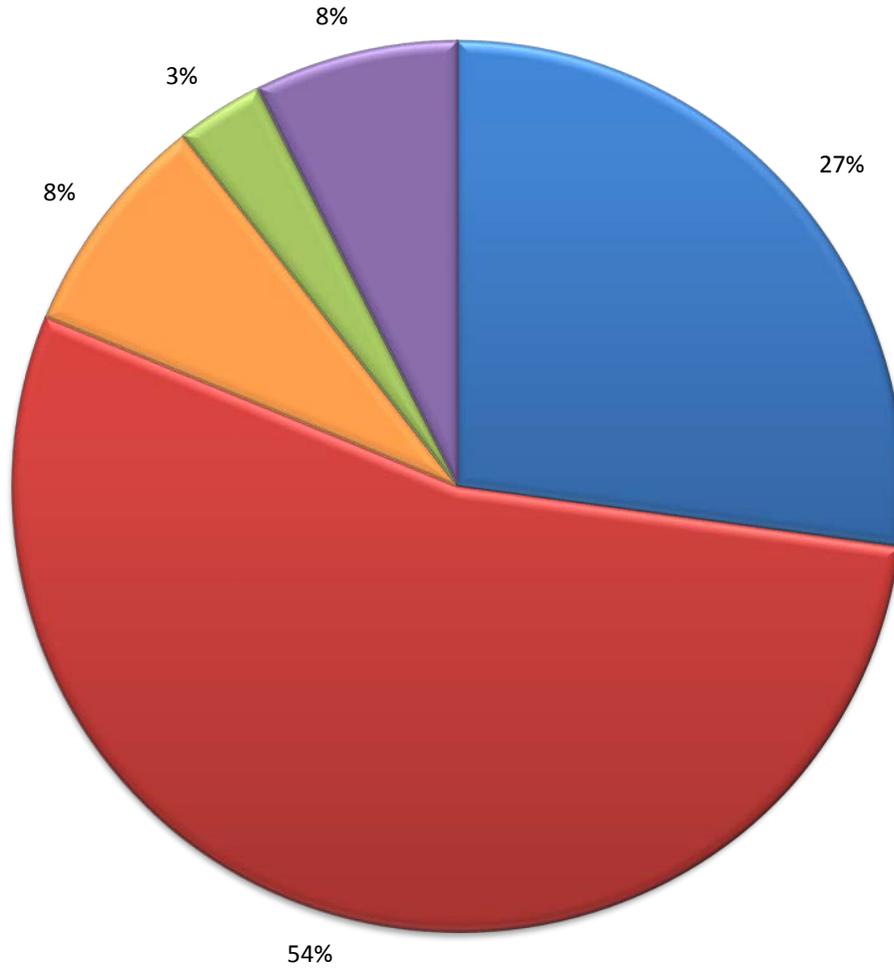
ENGINEERING & COMPUTER SCIENCE

Notes: 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 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.

Awards by Department				
PI	Sponsor	Title	Amount	FA
Chemical Engineering				
Ennis, Bryan	Tennessee Higher Education Commission	Leveraging Remote Engineering Laboratories to Inspire Learning & Reinforce 9-12 STEM Curriculum Standards in the Physical, Chemical & Biological Sciences	\$74,906	I/T
Harris, Bradley	Tennessee Board of Architectural and Engineering Examiners	TBAEE Laboratory Equipment Grant for Chemical Engineering	\$26,761	I/T
Onyango, Mbakisya	University of Tennessee - Knoxville	Evaluation of Geosynthetics Reinforcement in Flexible Pavement Structures Using Accelerated Pavement Testing	\$45,951	R
	Tennessee Department of Transportation	Traffic Data Input for Mechanistic Empirical Pavement Design Guide (MEPDG) for Tennessee	\$172,055	R
	Tennessee Department of Transportation	Improving Rigid Pavement Smoothness using Polylevel	\$154,457	R
Electrical Engineering				
Pack, Daniel	United States Air Force Academy	Extending GPS Operation in GPS-denied Areas through Cross-Correlation Jamming Cancellation	\$192,877	R
	University of Texas - San Antonio	A Strapdown Image-based Guidance on Virtual Field of View	\$136,709	R
	University of Texas - San Antonio	Cooperative Technology Development	\$65,625	R
Eltom, Ahmed	Tennessee Valley Public Power Association	2016 Lab Demonstrations for Tennessee Valley Public Power Association	\$763	I/T
	Tennessee Valley Public Power Association	Lab Demonstration for Tennessee Valley Public Power Association	\$1,018	PS
Mechanical Engineering				
Elliott, Trevor	Denso North America Foundation	Off-road Vehicle Testing Grounds Capstone Project	\$50,000	AS
SIM Center				
Hilbert, Christopher	UT-Battelle - Oak Ridge National Laboratory	Grid Consultation Services for CASL (Consortium for Advanced Simulation of Light Water Reactors)	\$10,000	R
Karman, Steve	Office of Naval Research	Adaptive Meshing of Ship Air-Wake Flowfields	\$57,845	R
Newman, James	Office of Naval Research	High-Order Accuracy for Large Eddy Simulations	\$117,616	R
Engineering & Computer Science Total Dollars Awarded = \$1,106,583				

ENGINEERING & COMPUTER SCIENCE

**Total CECS External Funds Requested:
\$15,828,442**



■ Civil, Chemical, & General Engineering (\$4,299,308)

■ Computer Science (\$8,557,535)

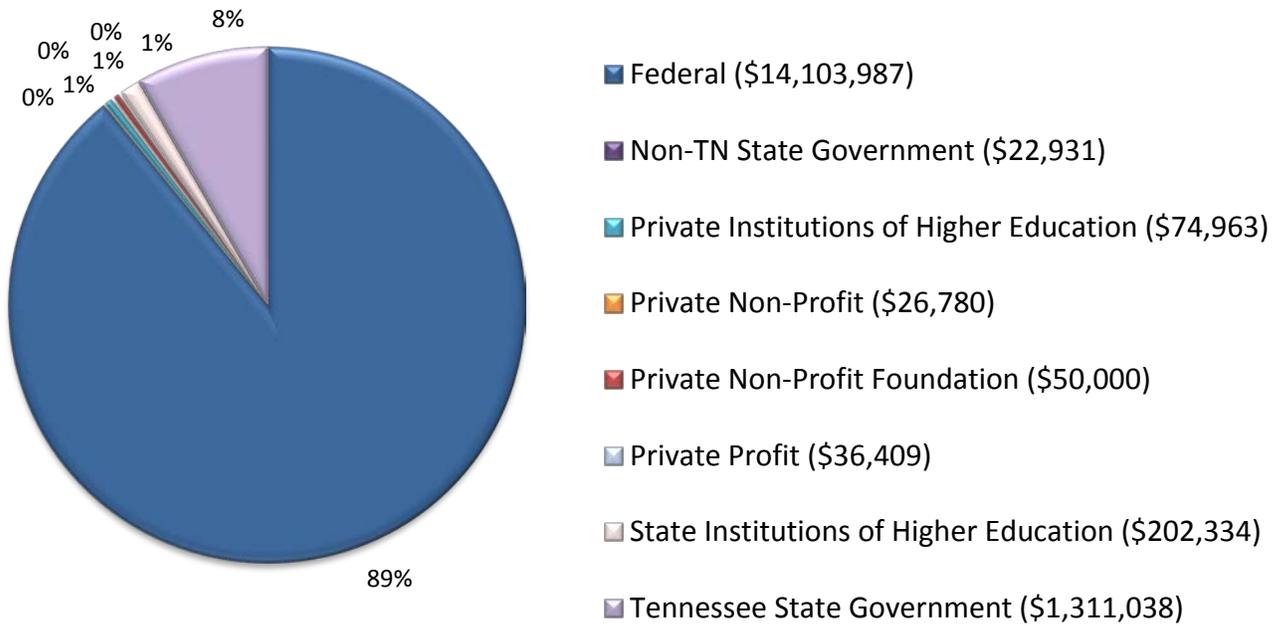
■ Electrical Engineering (\$1,295,381)

■ Mechanical Engineering (\$503,152)

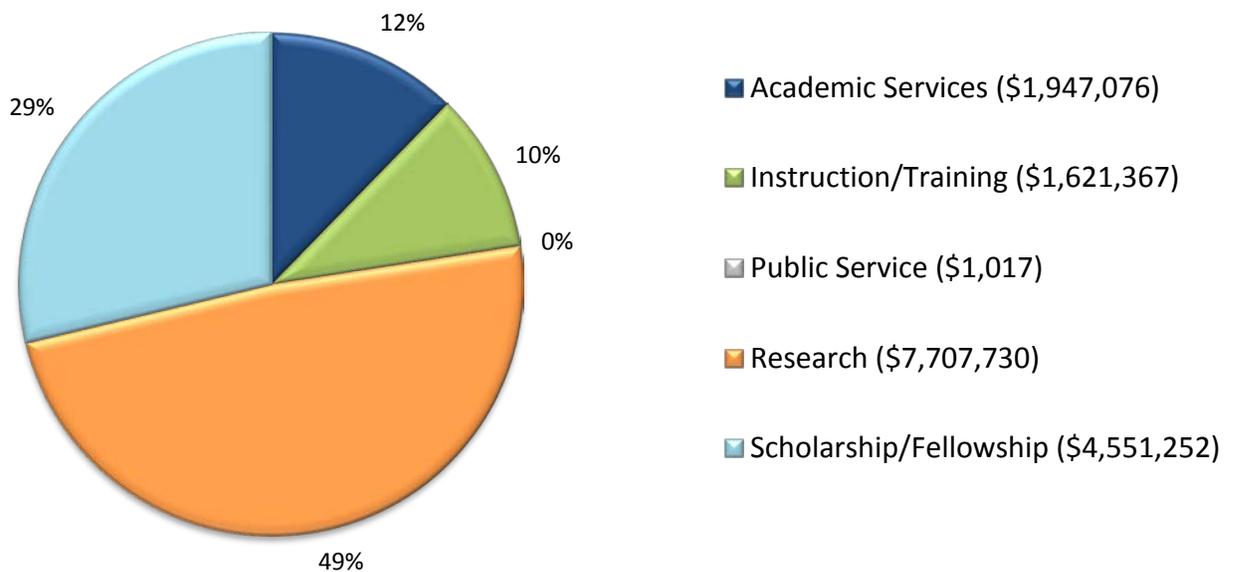
■ SIM Center (\$1,173,066)

ENGINEERING & COMPUTER SCIENCE

Submissions by Source



Submissions by Functional Area



ENGINEERING & COMPUTER SCIENCE

Notes: 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 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.

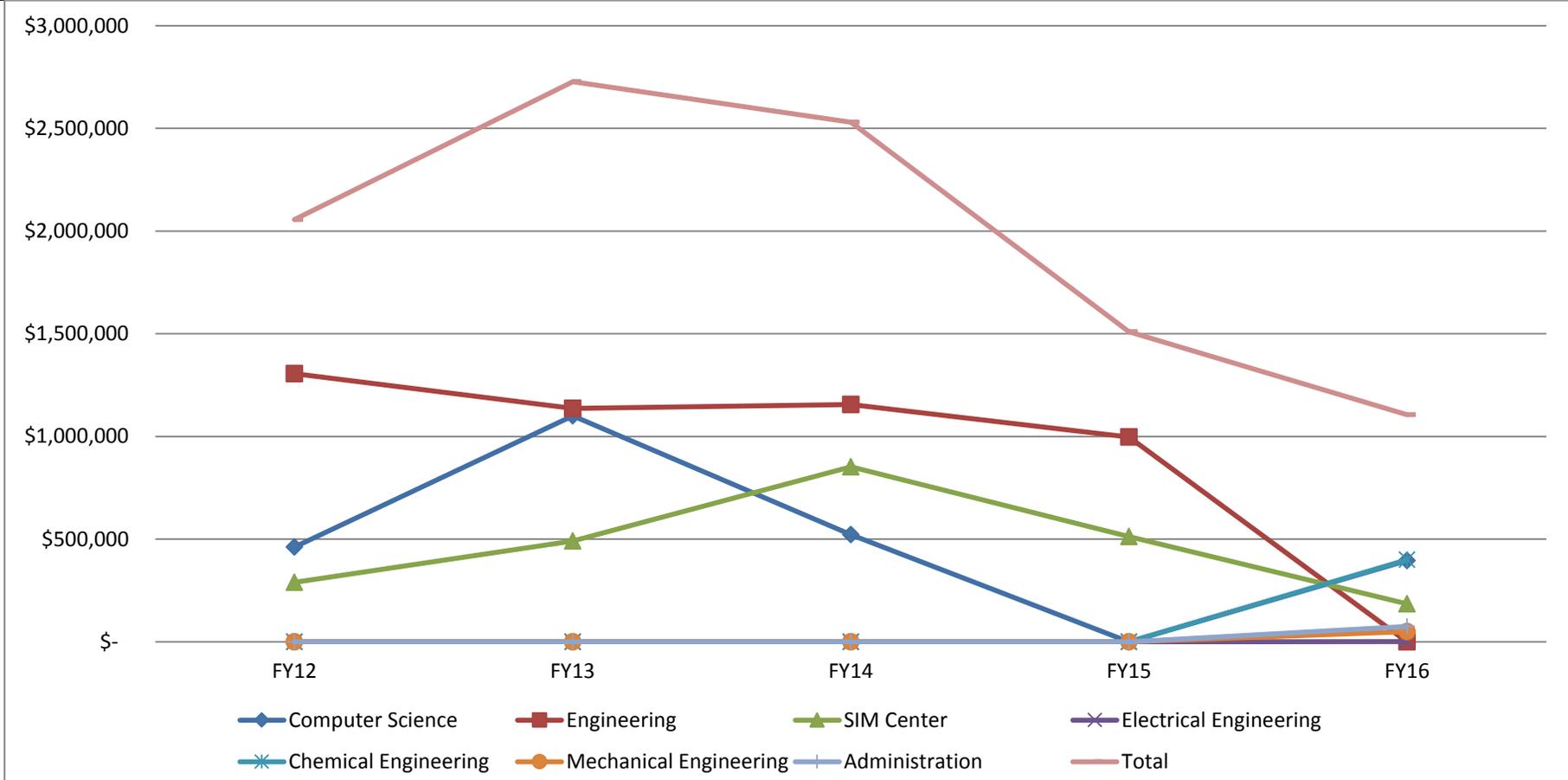
Submissions by Department				
Lead PI/PD	Funder	Title	Amount	FA
Computer Science and Engineering				
Kandah, Farah	National Science Foundation	US Ignite: Focus Area 1: Improving Safety in Urban Neighborhoods using Cyber Physical Systems	\$596,553	R
Kizza, Joseph	National Science Foundation	IUSE/PFE:RED: Institutional Transformation: Effectively Integrating Transformational Ideas Within Computer Science to Address the Needs of the 21st Student	\$1,387,625	I/T
Liang, Yu	University of Tennessee Research Foundation	Virtual TaiJi System - An Innovative Modality for Rehabilitation	\$15,000	R
Sartipi, Mina	NSF - CISE - Directorate for Computer and Information Science and Engineering	EAGER: Intelligent Urban Planning Based on Mass Environmental Sensing and Human Well-Being	\$288,612	R
	National Science Foundation	US Ignite: Collaborative Research: Focus Area 1: Fleet Management of Large-Scale Connected Autonomous Vehicles	\$298,324	R
	National Science Foundation	BD Spokes: SPOKE: SOUTH: Synthetic Living Cities	\$0	R
	National Science Foundation	Collaborative Research: Robust Asset-and-User-Aware Power Grid Dispatch during Extreme Temperatures	\$119,831	R
	National Science Foundation	Data Driven Precision Healthcare for Post-Stroke Health Management: from Predictive Analytics to Decision Support	\$566,657	R
	National Science Foundation	NRT-DESE: Data in the GigCity: A Unified and Comprehensive Platform for Education and Research on Data Science and Engineering to Push Revolutionary Urbanization	\$2,561,038	S/F
Wu, Dalei	Oak Ridge Associated Universities	The Power Consumption Tradeoff between Communication and Computation in Mobile Computing Systems: A Battery Perspective	\$5,000	R
	National Science Foundation	US Ignite: Collaborative Research: Focus Area 1: Fiber Network for Smart Mapping, Monitoring and Managing Underground Urban Infrastructure	\$276,061	R
Yang, Li	National Science Foundation	Strengthening the National Cyber Security Workforce: SFS program at University of Tennessee at Chattanooga	\$1,897,076	AS
	National Science Foundation	CyberCorps: Collaborative Research: Building Security Education Capacity through POGIL	\$164,995	R

Submissions by Department				
Lead PI/PD	Funder	Title	Amount	FA
	National Science Foundation	EAGER: Curbing Crimes in Urban Areas Using Computing Technologies	\$280,832	R
	National Science Foundation	EDU: Collaborative Research: Transiting Research on Mobile HCI Security into Education	\$99,931	R
	National Science Foundation	Preliminary - NSF INCLUDES: Increasing STEM Participation through Integrating Cognitive Theory into STEM Education	\$0	R
Chemical Engineering				
Ennis, Bryan	Tennessee Higher Education Commission	Leveraging Remote Engineering Laboratories to Inspire Learning & Reinforce 9-12 STEM Curriculum Standards in the Physical, Chemical & Biological Sciences	\$74,905	I/T
	National Science Foundation	MRI Acquisition: High Resolution QICPIC Imager for Orthogonal Particle Shape Characterization to Optimize Design & Simulation of Particle Packing & Granular Flows	\$330,846	R
Fomunung, Ignatius	US Department of Transportation	University Transportation Center for Mobility, Vehicles, and Environments (UTCMOVE)	\$1,500,000	R
	Tennessee Department of Transportation	Preliminary - Assessing Regional Impacts of Transportation Demand Management Strategies	\$0	R
	National Science Foundation	UTC Academic Scholarship to Inspire and Recruit Engineers (UTC ASPIRE)	\$998,489	S/F
	National Science Foundation	UTC ASPIRE: Academic Scholarship Program to Inspire and Recruit Engineers	\$991,725	S/F
Harris, Bradley	Tennessee Board of Architectural and Engineering Examiners	TBAEE Laboratory Equipment Grant for Chemical Engineering	\$29,919	I/T
Onyango, Mbakisya	Ohio Department of Transportation	LONGITUDINAL JOINT REPAIR BEST PRACTICES	\$22,931	R
	Tennessee Department of Transportation	Improving Rigid Pavement Smoothness using Polylevel	\$154,456	R
	Tennessee Department of Transportation	Traffic Data Input for Mechanistic Empirical Pavement Design Guide (MEPDG) for Tennessee	\$172,053	R
	Tennessee Department of Transportation	Preliminary - Inverted Pavement	\$0	R
	Tennessee Department of Transportation	Preliminary – Structural Evaluation of Low Volume Roads Using Ground Penetrating Radar (GPR)	\$0	R
	Tennessee State University	Preliminary - Incorporating Pavement Type and Characteristics in Traffic Safety Management for Highway Design and Maintenance	\$0	R
Rollins, Alex	SBC Group, LLC	Investigation of Wood Chips as an Aggregate Replacement in Concrete	\$23,984	R
Wu, Weidong	Tennessee Department of Transportation	Preliminary - Internal Concrete Curing	\$0	R
Ahmed, Raga	Tennessee Higher Education Commission	I STEP: Infusing STEM-Themed Effective Pedagogy into Teacher Development Programs	\$53,953	I/T

Electrical Engineering				
Eltom, Ahmed	Tennessee Valley Public Power Association	2016 Lab Demonstrations for Tennessee Valley Public Power Association	\$763	I/T
	Tennessee Valley Public Power Association	Lab Demonstration for Tennessee Valley Public Power Association	\$1,017	PS
	Tennessee Valley Authority	TVA Oscillation Study	\$75,923	R
Loveless, Daniel	Oak Ridge Associated Universities	Radiation Effects and Reliability Resiliency of Advanced and Emerging Integrated Circuit Technologies	\$5,000	R
	National Science Foundation	REU Site: An Interdisciplinary CubeSat Research and STEM Education Platform at the University of Tennessee at Chattanooga (UTSTEMSat)	\$354,044	R
	Vanderbilt University	Fundamental Research into Radiation Resiliency of Emerging Circuit Technologies Appropriate to the CWMD Mission	\$74,963	R
Pack, Daniel	DOD - Air Force - United States Air Force Academy (USAFA)	Extending GPS Operation in GPS-denied Areas through Cross-Correlation Jamming Cancellation	\$192,877	R
	University of Texas - San Antonio	A Strapdown Image-based Guidance on Virtual Field of View	\$136,709	R
	University of Texas - San Antonio	Cooperative Technology Development	\$65,625	R
	Shared Spectrum Company	Distributed, Large Scale Spectrum Measurement and Analysis - SBIR - Shared Spectrum Company	\$12,425	R
Reising, Donald	National Science Foundation	GOALI - Making the Smart Grid "Smarter" Through Real-Time Electrical Disturbance Identification Using RF-DNA Fingerprints	\$322,082	R
Mechanical Engineering				
Elliott, Trevor	Denso North America Foundation	Off-road Vehicle Testing Grounds Capstone Project	\$50,000	AS
	Tennessee Department of Environment and Conservation	Peak and Base Load Reduction Showcase at the UT Chattanooga (UTC) Center for Energy, Transportation and the Environment (CETE)	\$378,950	R
Margraves, Charles	Tennessee Higher Education Commission	Creating a Zero Plus Energy Building	\$74,202	I/T

SIM Center				
Arabshahi, Abdollah	National Science Foundation	Complex Flows Through Bifurcating Networks with Applications to the Human Pulmonary System	\$296,708	R
Hilbert, Christopher	UT-Battelle - Oak Ridge National Laboratory	Additional Grid Consultation Services for CASL (Consortium for Advanced Simulation of Light Water Reactors)	\$10,000	R
Newman, James	DOD - Navy - ONR - Office of Naval Research	High-Order Accuracy for Large Eddy Simulations	\$117,615	R
Sreenivas, Kidambi	NASA - Headquarters	High order temporal and spatial methods for turbofan-stage broadband noise prediction	\$376,143	R
	Tennessee Department of Transportation	Aerodynamic Optimization of Boat-Tails for Trailer Doors	\$248,400	R
	Tennessee Department of Transportation	Freight Innovations for Fuel Savings	\$124,200	R
Engineering & Computer Science Total Dollars Requested = \$15,828,442				

ENGINEERING & COMPUTER SCIENCE FIVE-YEAR FUNDING TRENDS BY DEPARTMENT FISCAL YEARS 2012 - 2016



Notes:

Due to previous reporting system restrictions, individual engineering departments (mechanical, electrical, etc.) were all grouped under the "Engineering" item in blue until FY16. Moving forward individual departments will be broken out

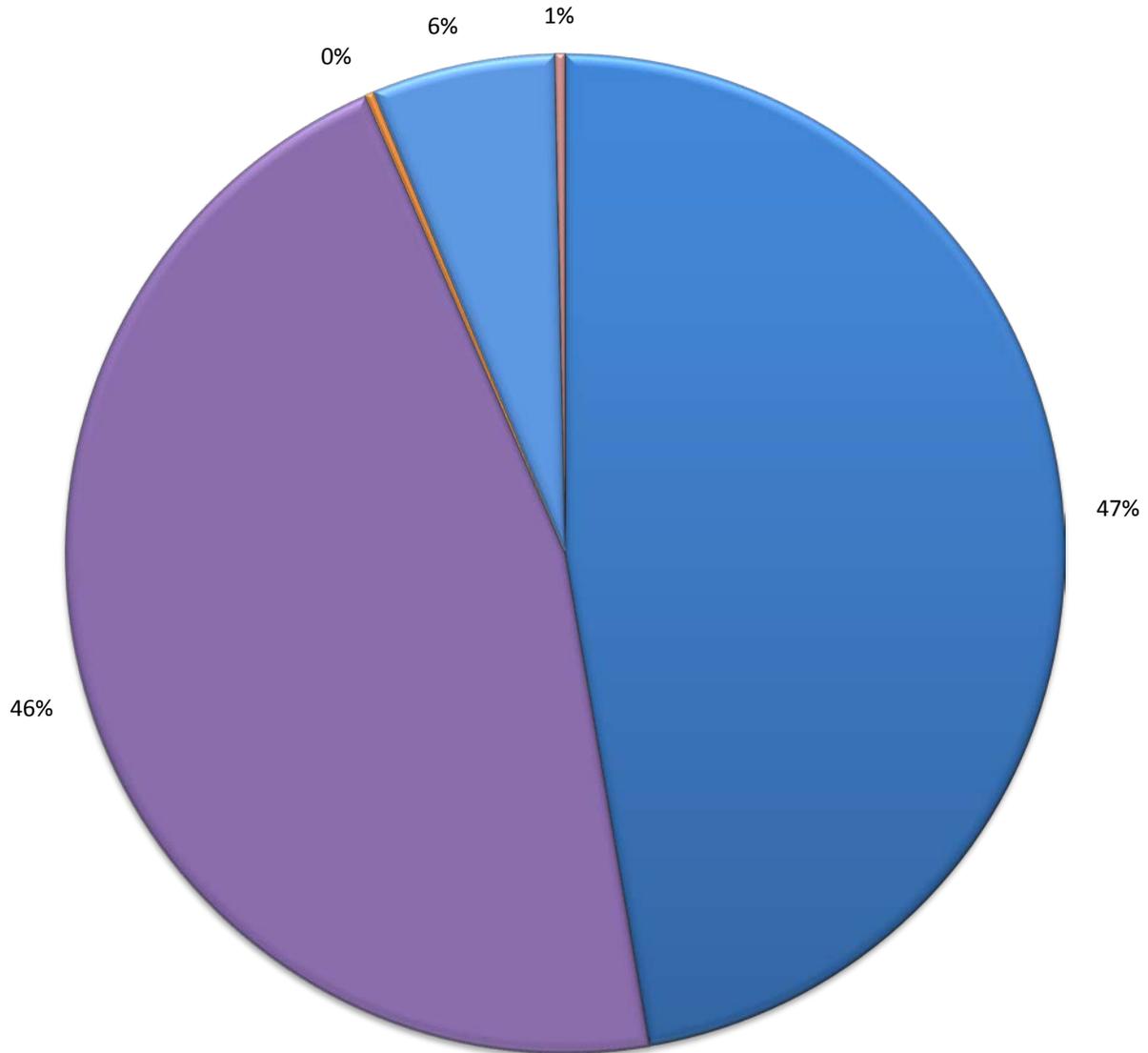


HEALTH, EDUCATION, & PROFESSIONAL STUDIES



HEALTH, EDUCATION, & PROFESSIONAL STUDIES

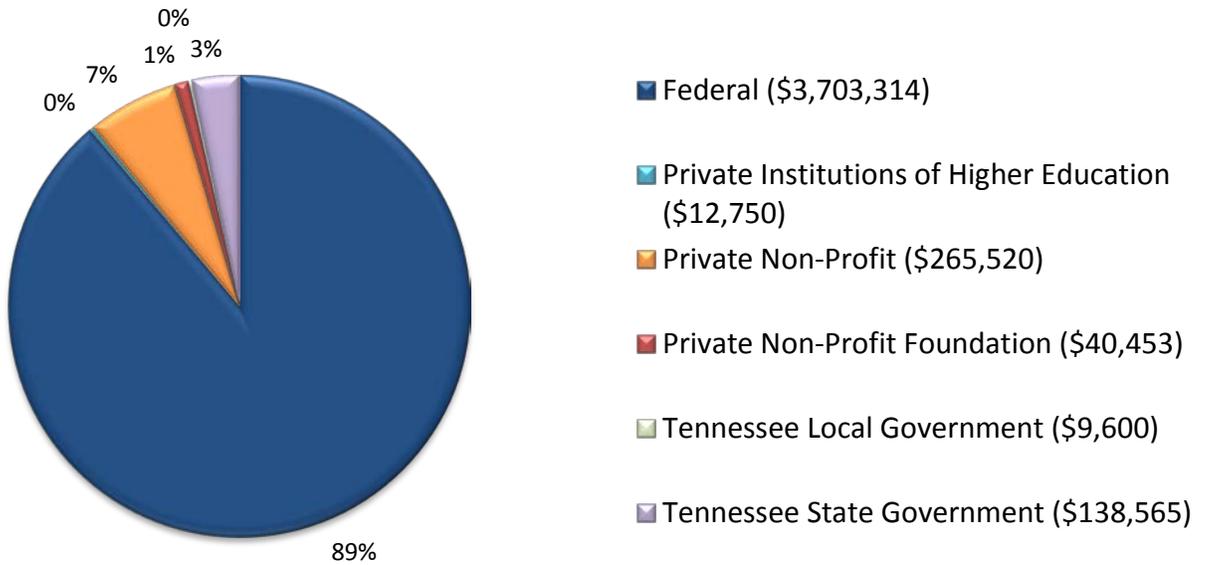
**Total CHEPS External Awards:
\$4,170,202**



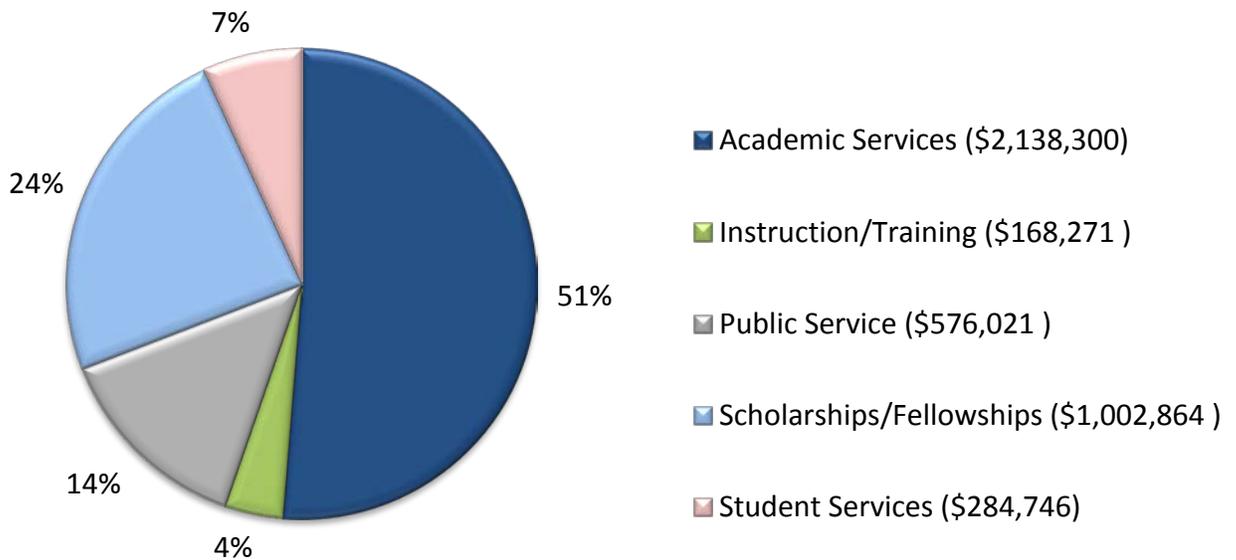
- Center for Community Career Education (\$1,972,796)
- Nursing (\$1,924,718)
- Physical Therapy (\$12,457)
- School of Education (\$247,231)
- School of Professional Studies (\$13,000)

HEALTH, EDUCATION, & PROFESSIONAL STUDIES

Awards by Source



Awards by Functional Area



HEALTH, EDUCATION, & PROFESSIONAL STUDIES

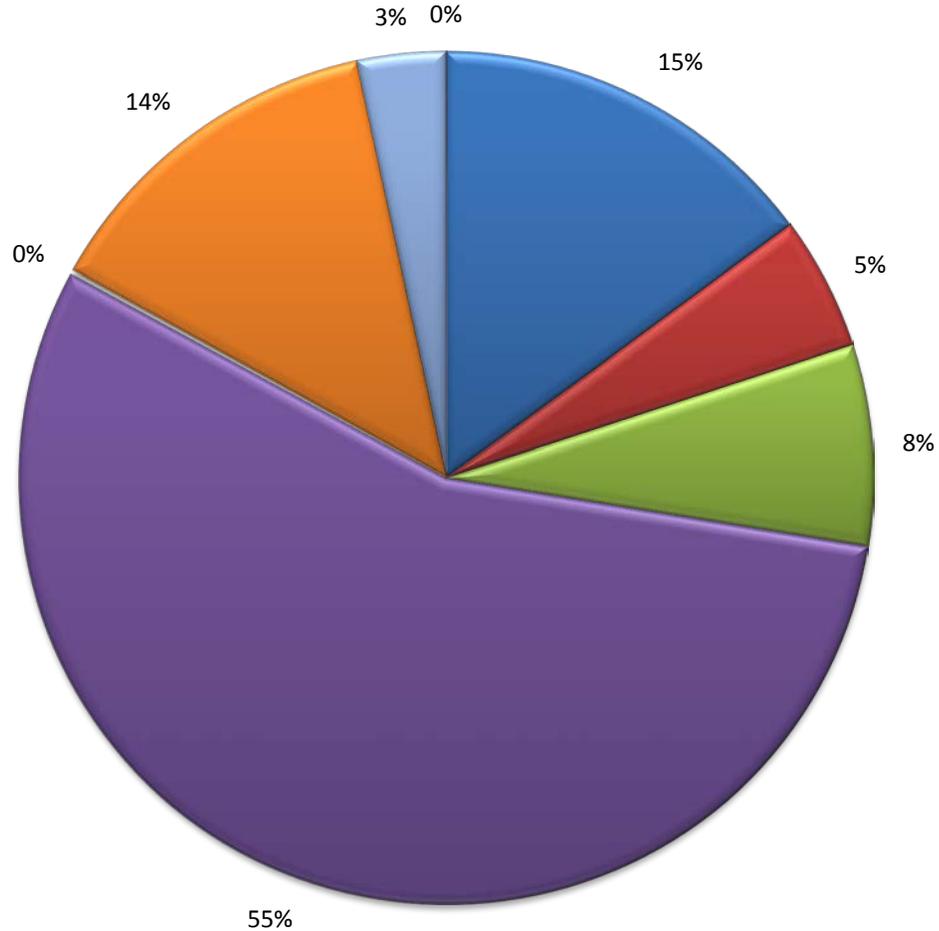
Notes: Functional Areas (FA): AS = Academic Services; C/S = Conference/Seminar; IS = Institutional Support; I/T = Instruction/Training; PS = Public Service; R = Research; S/F = Scholarships/Fellowships; SS = Student Services. Awards are listed alphabetically by administering department and name of the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

Awards by Department				
Lead PI/PD	Funder	Title	Amount	FA
Center for Community Career Education				
Boykin, Twyler	US Dept. of Education	Upward Bound Math and Science	\$250,000	PS
Brownlee, Belinda	US Dept. of Education	Upward Bound at UTC	\$311,339	AS
Cole, Sandra	Hamilton County Public Schools	PAWS Support 2015-2016	\$9,600	PS
Gholston, Shirl	US Dept. of Education	Student Support Services FY16-FY21	\$284,746	SS
Huckabay, Hunter	US Dept. of Education	GEAR UP in Hamilton County, TN 2011-2018	\$624,064	AS
Long, Cynthia	US Dept. of Education	Educational Opportunity Center 2011-2016	\$263,047	AS
Vann, Karen	US Dept. of Education	Hamilton County Talent Search 2011-2016	\$230,000	PS
Nursing				
Hill, Linda	Health Resources and Services Administration	Nurse Anesthetists Traineeships at UTC	\$27,977	AS
	Health Resources and Services Administration	CRNAs in 3D: Increasing Diversity, Reducing Disparities, & Understanding the Social Determinants of Health	\$336,177	AS
	Health Resources and Services Administration	2016-17 Nurse Anesthetist Traineeships	\$20,025	S/F
Lindgren, Katherine	Health Resources and Services Administration	Scholarships for Disadvantaged Nursing Students at UTC 2012-16	\$645,000	S/F
Smith, Christine	Erlanger Health System	RN to BSN Gateway Program	\$184,600	AS
	Health Resources and Services Administration	COMPASS Project 2014-2017	\$373,100	AS
	Health Resources and Services Administration	UTC Advanced Education Nursing Traineeships	\$337,839	S/F
Physical Therapy				
Fell, Nancy	Alliance of Women Philanthropists - Giving Circle	Stroke Rehab Exercise Video Production: Resources supporting post-stroke recovery and professional training	\$12,457	I/T
School of Education				
Crawford, Elizabeth	Tennessee Department of Education	2016 Governor's School for Prospective Teachers	\$60,571	I/T
Ellington, J. Lucien	Freeman Foundation	Freeman Foundation Teacher Professional Development Programs	\$17,996	AS
	UC Foundation	Integrating Japan and East Asian Regional Studies Into Tennessee Advanced Placement, International Baccalaureate,	\$4,499	I/T

Awards by Department				
Lead PI/PD	Funder	Title	Amount	FA
		and Honors Classes		
	The Jack Miller Center for Teaching America's Founding Principles and History	Constitution Day Lecture	\$2,000	PS
	Association for Asian Studies, Inc.	Education About Asia Journal 2016	\$74,421	PS
McAllister, Deborah	Vanderbilt University	NASA Mathematics Resources and Super Source Activities for Elementary Grades Preservice Teachers	\$12,750	I/T
	Tennessee Higher Education Commission	Equations, Functions, and Modeling with Real-world Problems in Algebra I	\$74,994	I/T
School of Professional Studies				
O'Brien Oden, Elizabeth	Community Foundation of Greater Chattanooga Incorporated	Youth Mental Health First Aid Training in Chattanooga	\$10,000	PS
Kendall, Catherine	Tennessee Board of Architectural and Engineering Examiners	2015 Interior Design TBAEE Request	\$3,000	I/T
College of Health, Education, & Professional Studies Total Dollars Rewarded = \$4,170,202				

HEALTH, EDUCATION, & PROFESSIONAL STUDIES

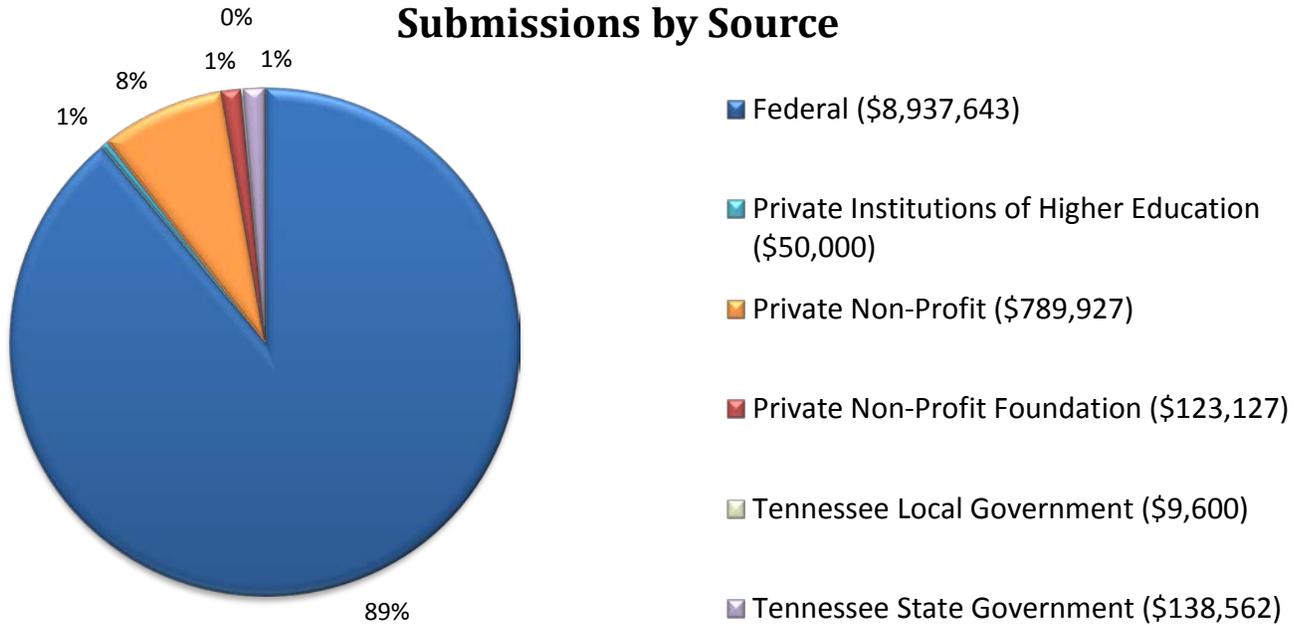
**Total CHEPS External Funds Requested:
\$10,048,859**



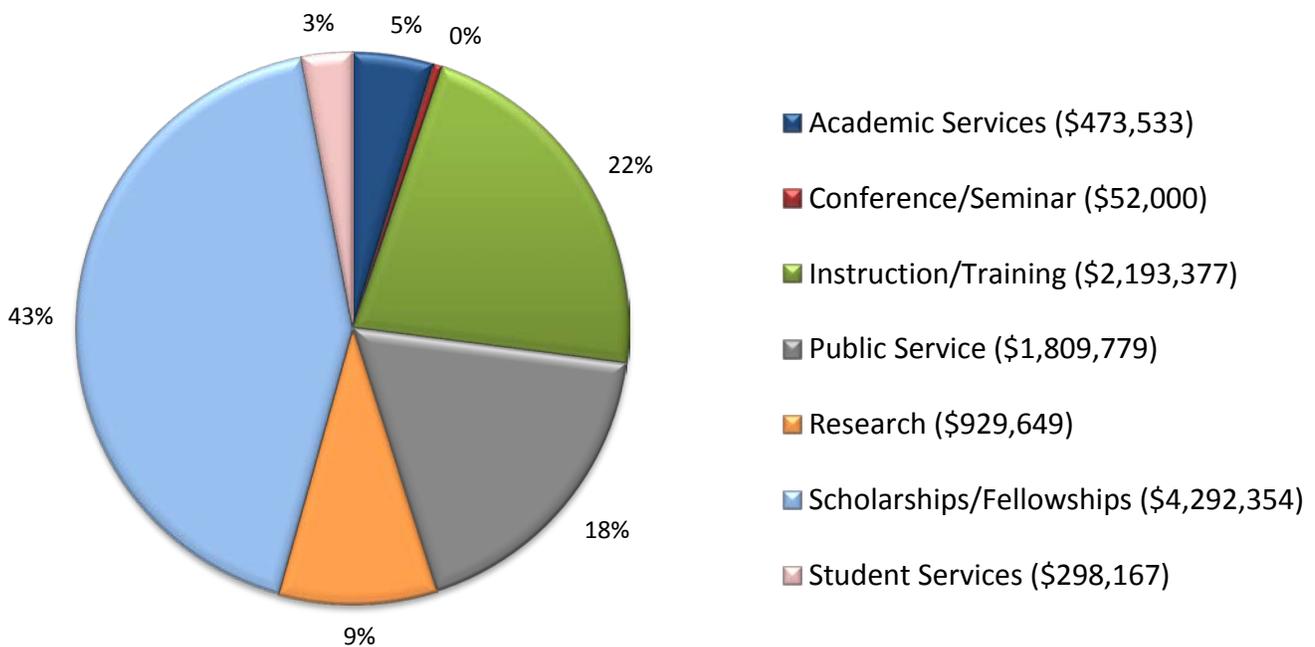
- Center for Community Career Education (\$1,496,019)
- Challenger Center (\$510,276)
- Health & Human Performance (\$763,140)
- Nursing (\$5,562,348)
- Occupational Therapy (\$16,692)
- Physical Therapy (\$1,362,457)
- School of Education (\$334,927)
- School of Professional Studies (\$3,000)

HEALTH, EDUCATION, & PROFESSIONAL STUDIES

Submissions by Source



Submissions by Functional Area



HEALTH, EDUCATION, & PROFESSIONAL STUDIES

Notes: 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 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.

Submissions by Department				
Lead PI/PD	Funder	Title	Amount	FA
Center for Community Career Education				
Cole, Sandra	Alliance of Women Philanthropists - Giving Circle	College Knowledge, Now!	\$15,482	PS
	Hamilton County Public Schools	PAWS Support 2015-2016	\$9,600	PS
Long, Cynthia	US Dept. of Education	Southern Appalachian Educational Opportunity Center	\$270,937	AS
Vann, Karen	US Dept. of Education	Talent Search	\$1,200,000	PS
Challenger Center				
Storey, Perry	Alliance of Women Philanthropists - Giving Circle	FEM STEM + Arts Scholarships for Summer STEM Camp for Girls	\$10,500	PS
	National Oceanic and Atmospheric	Using Science to Build Environmental Literacy in Students and Teachers in the Tennessee Valley Region	\$499,776	PS
Health & Human Performance				
Acocello, Shellie	National Collegiate Athletic Association	iCAAR - Improving coach approachability and athlete perceived norms toward reporting concussion: Attitudes and behaviors toward concussion reporting among high school football players.	\$357,449	R
Wilkerson, Gary	National Institutes of Health	A New Paradigm for Sport Injury Prevention and Reduction of Risk for Disability	\$405,691	R
Nursing				
Carlton, Gwen	Health Resources and Services Administration	Clinical Academic Network for Developing Leaders (CANDL)	\$1,970,718	I/T
Davidson, Susan	Health Resources and Services Administration	Keys to the Gateway: Increased Recruitment and Retention for BSN Diversity	\$298,167	SS
Hill, Linda	Health Resources and Services Administration	2016-17 Nurse Anesthetist Traineeships	\$0	S/F
Kemplin, Katharine	Department of Defense	Preliminary - Prolonged & Extended Care Military Medics Evaluative Diagnostic (PECMMED): Training & Performance Assessment Model	\$0	R
	Department of Defense	Preliminary - Military Medics Evaluative Diagnostic In Clinical Simulation (MMEDICS) Predictive	\$0	R

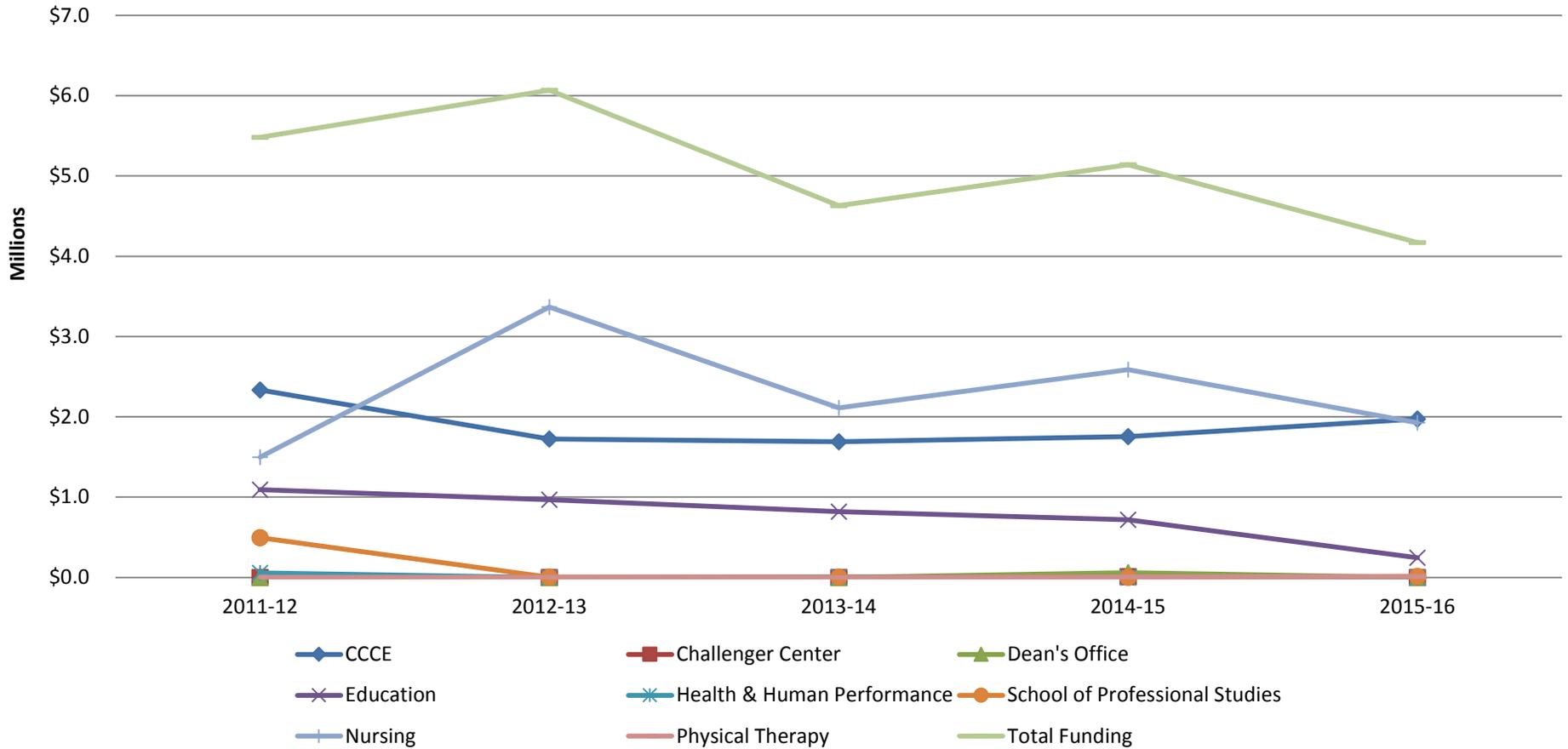
Submissions by Department				
Lead PI/PD	Funder	Title	Amount	FA
		Performance Assessment Model		
Smith, Christine	Erlanger Health System	Increasing the RN to BSN Enrollment in the Gateway Program 2015-17	\$184,600	AS
	Health Resources and Services Administration	2016 UTC School of Nursing Advanced Education Nurse Traineeships (2016 AENT)	\$342,354	S/F
	Health Resources and Services Administration	Scholarships for Disadvantaged BSN Students	\$2,600,000	S/F
Thul, Susan	Boston Medical Center	Learning Together about Mammograms	\$166,509	R
Occupational Therapy				
Cruz, Elicia	Alliance of Women Philanthropists - Giving Circle	Occupational Therapy Partnership for Healthy Communities: Substance Abuse Recovery through Therapeutic Activity	\$16,692	I/T
Physical Therapy				
Fell, Nancy	Alliance of Women Philanthropists - Giving Circle	Stroke Rehab Exercise Video Production: Resources supporting post-stroke recovery and professional training	\$12,457	I/T
Levine, David	Health Resources and Services Administration	Scholarships for Disadvantaged DPT Students	\$1,350,000	S/F
School of Education				
Crawford, Elizabeth	Tennessee Department of Education	2016 Governor's School for Prospective Teachers	\$60,571	I/T
Ellington, J. Lucien	Apgar Foundation	American History and Civic Teacher Fellowship Program	\$25,000	C/S
	Association for Asian Studies, Inc.	Education About Asia Journal 2016	\$74,421	PS
	Charles Koch Foundation	Center for Reflective Citizenship Teaching Fellows Program	\$25,000	C/S
	Freeman Foundation	Freeman Foundation Teacher Professional Development Programs	\$17,996	AS
	The Jack Miller Center for Teaching America's Founding Principles and History	2015 Constitution Day Lecture	\$2,000	C/S
	UC Foundation	Integrating Japan and East Asian Regional Studies Into Tennessee Advanced Placement, International Baccalaureate, and Honors Classes	\$4,948	I/T
McAllister, Deborah	Tennessee Higher Education Commission	Equations, Functions, and Modeling with Real-world Problems in Algebra I	\$74,991	I/T
	Vanderbilt University	Augmentation for Middle Grades (4-8): Solar Eclipse and Robotics	\$50,000	I/T

School of Professional Studies				
Kendall, Catherine	Tennessee Board of Architectural and Engineering Examiners	2015 Interior Design TBAEE Request	\$3,000	I/T
College of Health, Education, & Professional Studies Total Dollars Requested = \$10,048,859				

HEALTH, EDUCATION, AND PROFESSIONAL STUDIES

FIVE-YEAR FUNDING TRENDS BY DEPARTMENT

FISCAL YEARS 2012 - 2016



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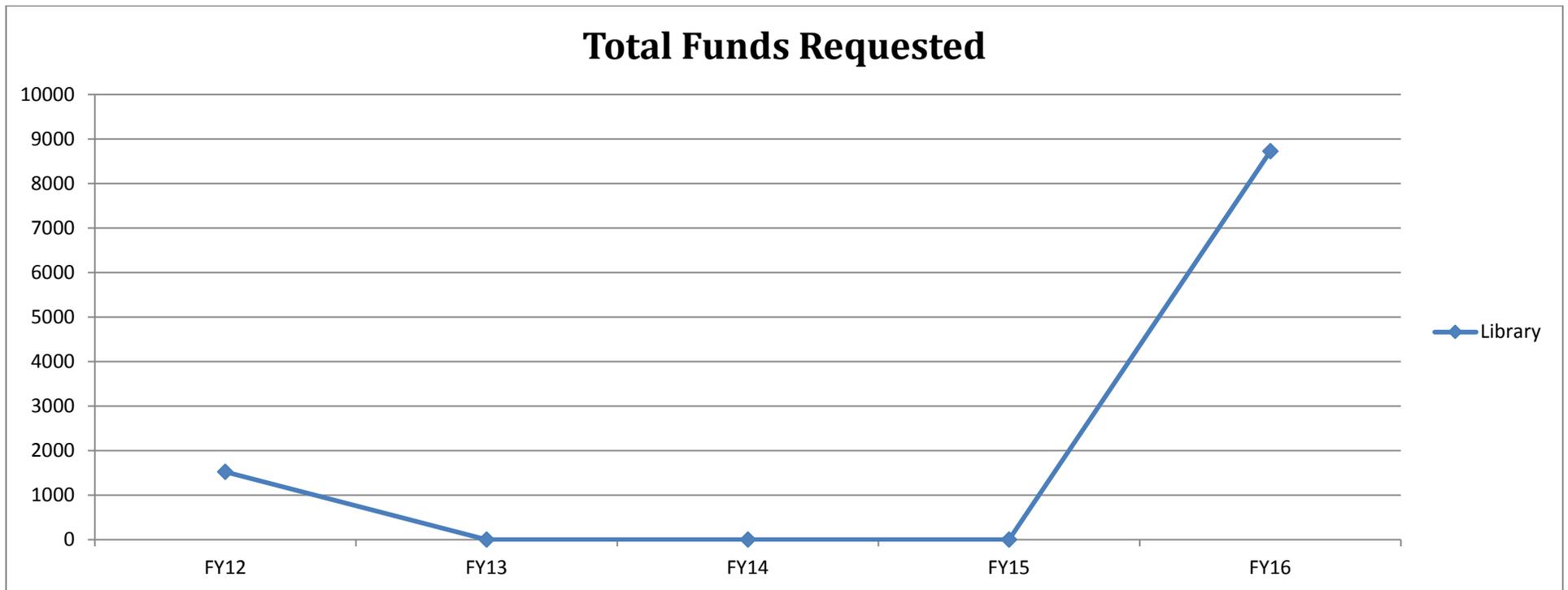
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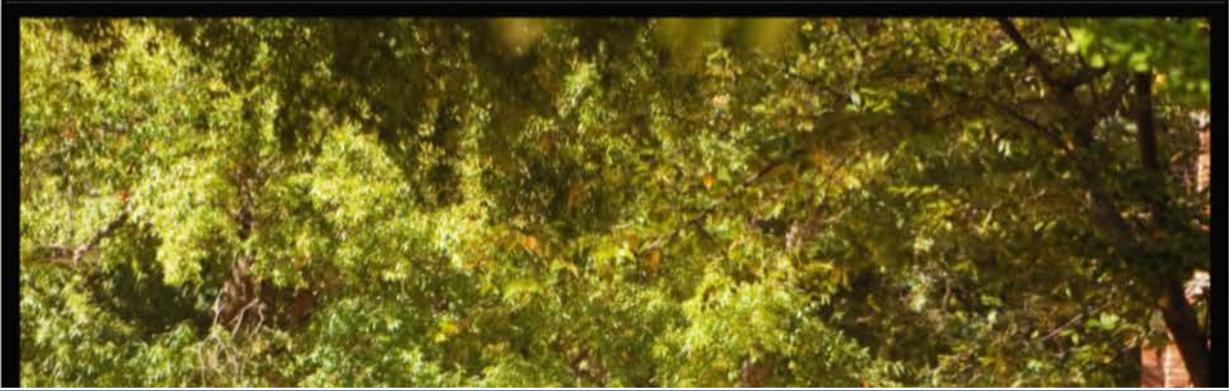
FIVE-YEAR FUNDING TRENDS

FISCAL YEARS 2012 - 2016

FY 2016 Funds Requested: \$8,726

Honors College Awards and Submissions				
Lead PI/PD	Funder	Title	Amount	FA
Runyon, Carolyn	Alliance of Women Philanthropists - Giving Circle	Emma Bell Miles: A Digital History of a Tennessee Naturalist, Artist, and Author	\$8,726	PS



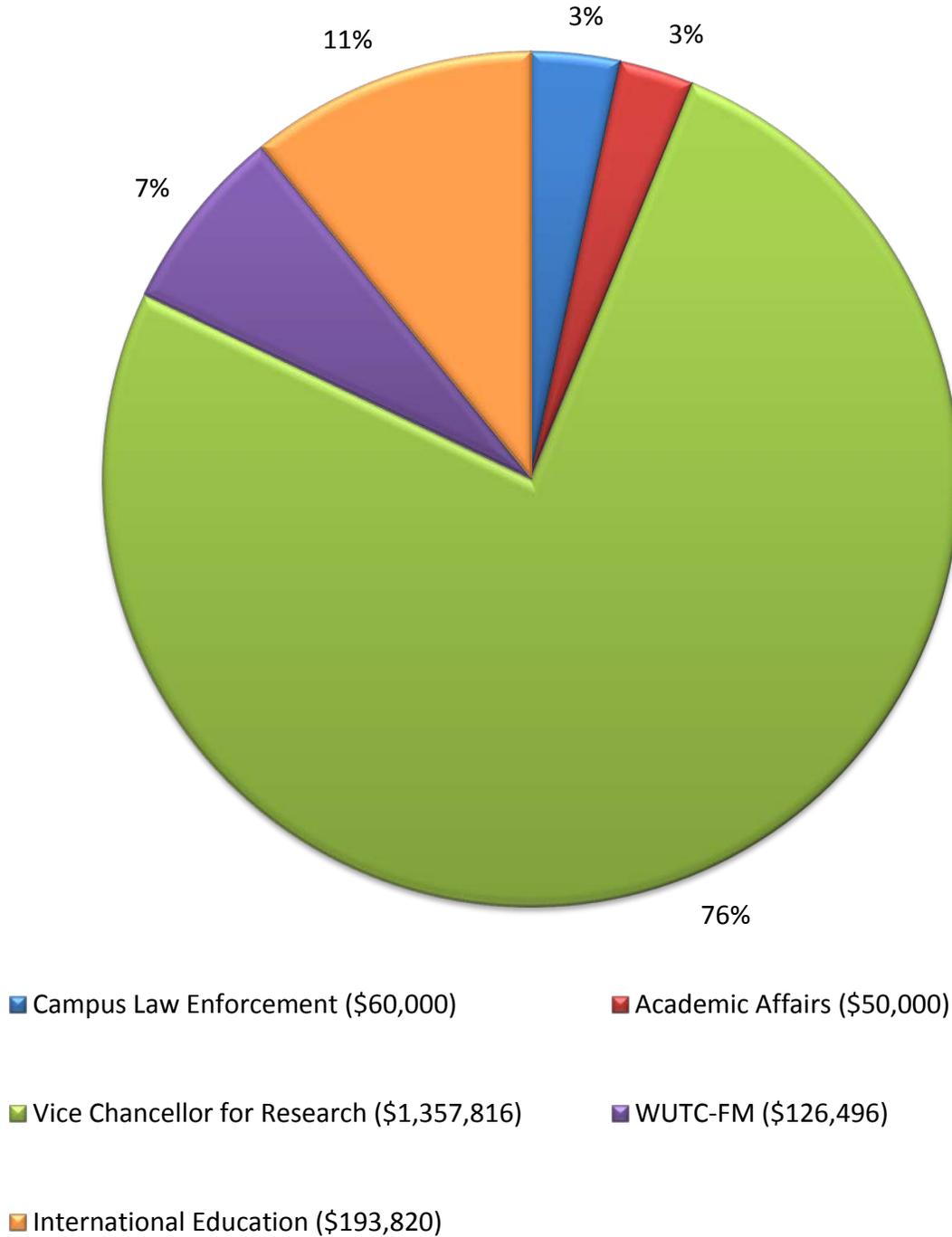


ADMINISTRATIVE UNITS



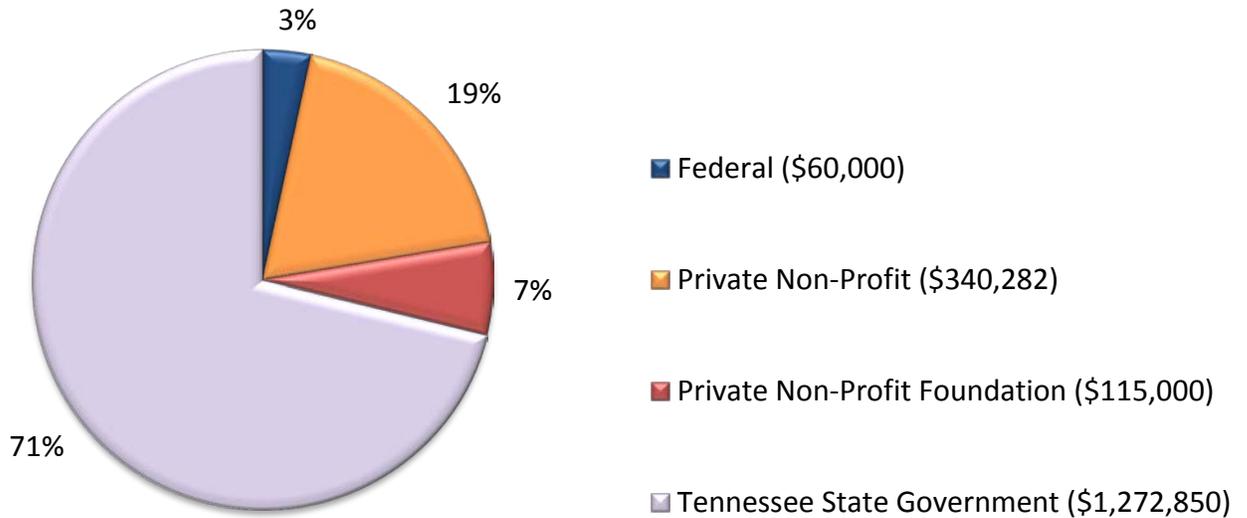
ADMINISTRATIVE UNITS

**Total Administrative External Funding:
\$1,788,132**

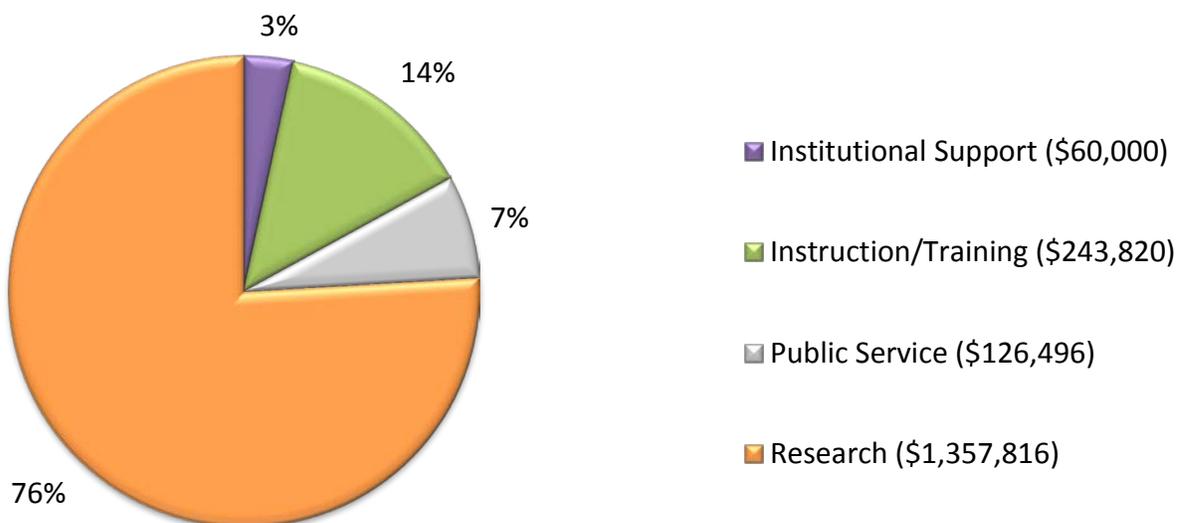


ADMINISTRATIVE UNITS

Awards by Source



Awards by Functional Area



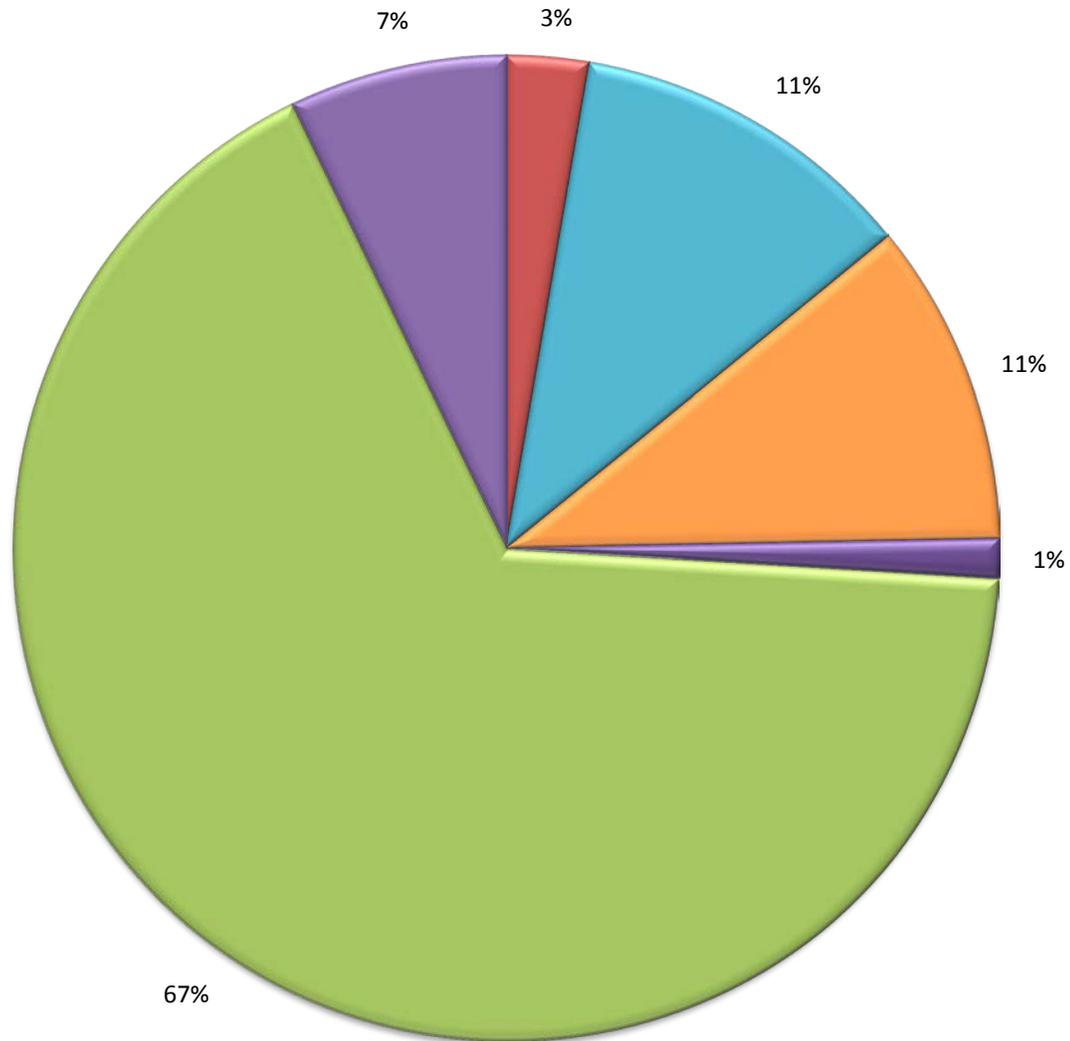
ADMINISTRATIVE UNITS

Notes: 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 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.

Awards by Department				
PI	Sponsor	Title	Amount	FA
Administration				
Potts, Gretchen	Tennessee Higher Education Commission	UTC's Ready to Reconnect Institutional Mini-Grant	\$50,000	I/T
Campus Law Enforcement				
Hamilton, Craig	Tennessee Office of Criminal Justice Programs	Making our Campus Safer (MOCS)	\$60,000	IS
International Education				
Suzuki, Takeo	FHI 360	Study of the U.S. Institutes for Student Leaders from Europe (SUSI)	\$193,820	I/T
Vice Chancellor for Research				
Carroll, Andrew	US - OIG - TVA - Tennessee Valley Authority	Tennessee Statewide Interactive Paddling Map and National River Database	\$15,000	R
	Benwood Foundation	Support of Geographic Information System (GIS) services by Center for Academic and Innovative Technologies (CAIT)	\$15,000	R
	Lyndhurst Foundation	Capacity Building for the UTC Interdisciplinary Geospatial Technology Lab (IGTLab)	\$100,000	R
	US - OIG - TVA - Tennessee Valley Authority	Tennessee Statewide Interactive Paddling Map and National River Database	\$45,000	R
	The Land Trust for Tennessee	Phase I of a Collaborative Comprehensive Conservation Plan	\$19,966	R
Romagni, Joanne	Tennessee Higher Education Commission	Center for Excellence in Applied Computational Science & Engineering	\$1,162,850	R
WUTC-FM				
Cantrell, James	Corporation for Public Broadcasting	FY2016 CPB Community Service Grant	\$126,496	PS
Administrative Units Total Dollars Awarded = \$1,788,132				

ADMINISTRATIVE UNITS

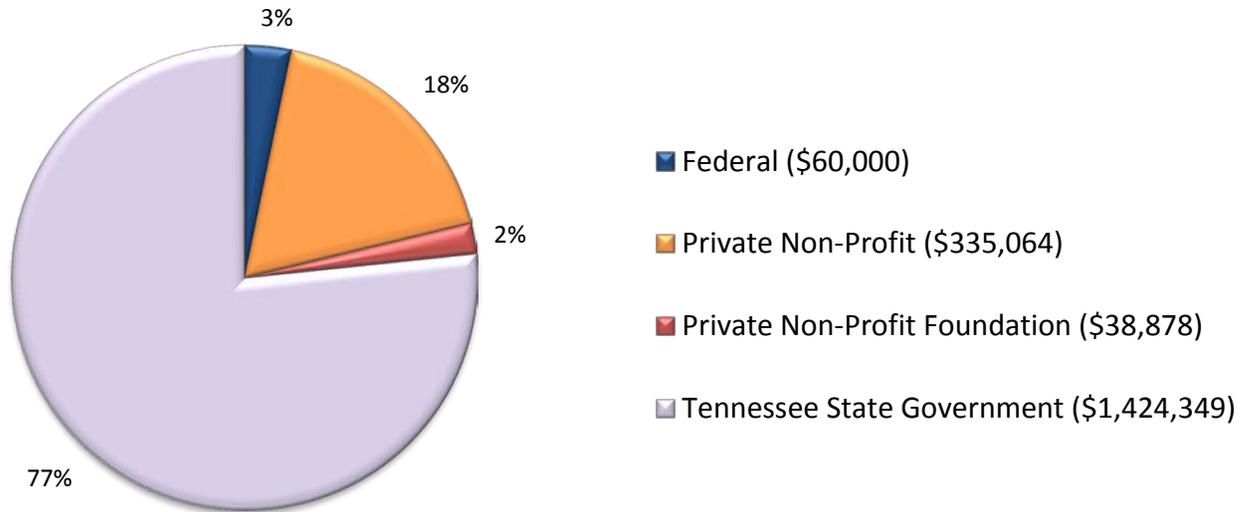
Total Administrative External Funds Requested: \$1,858,291



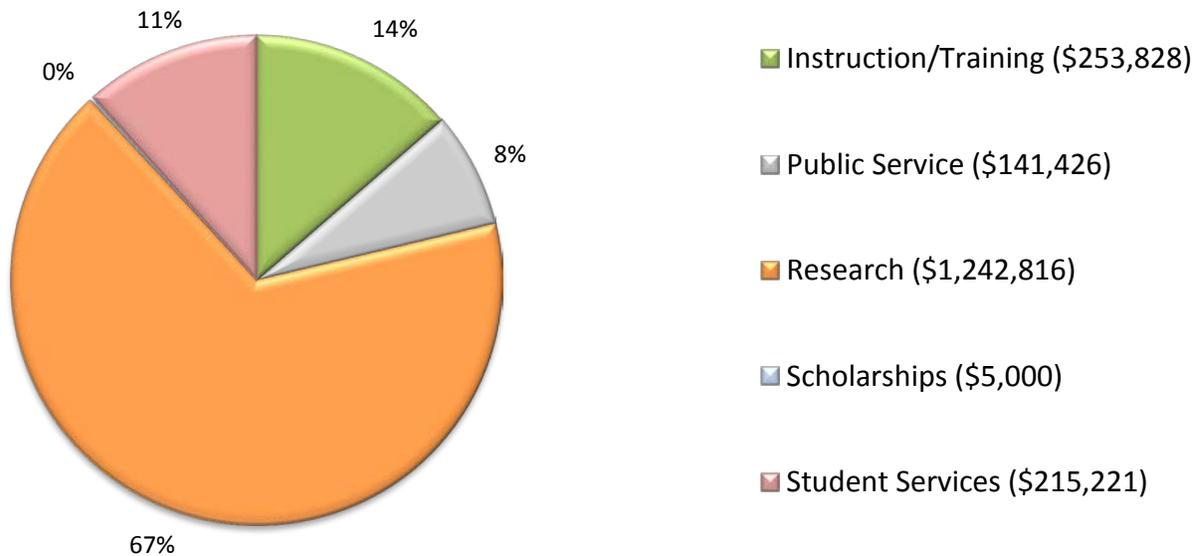
- Academic Affairs (\$50,000)
- Associate Provost - Academic Affairs (\$211,499)
- Cooperative & International Education (\$197,328)
- Student Affairs (\$23,585)
- Vice Chancellor for Research (\$1,242,816)
- WUTC - FM (\$133,063)

ADMINISTRATIVE UNITS

Submissions by Source



Submissions by Functional Area



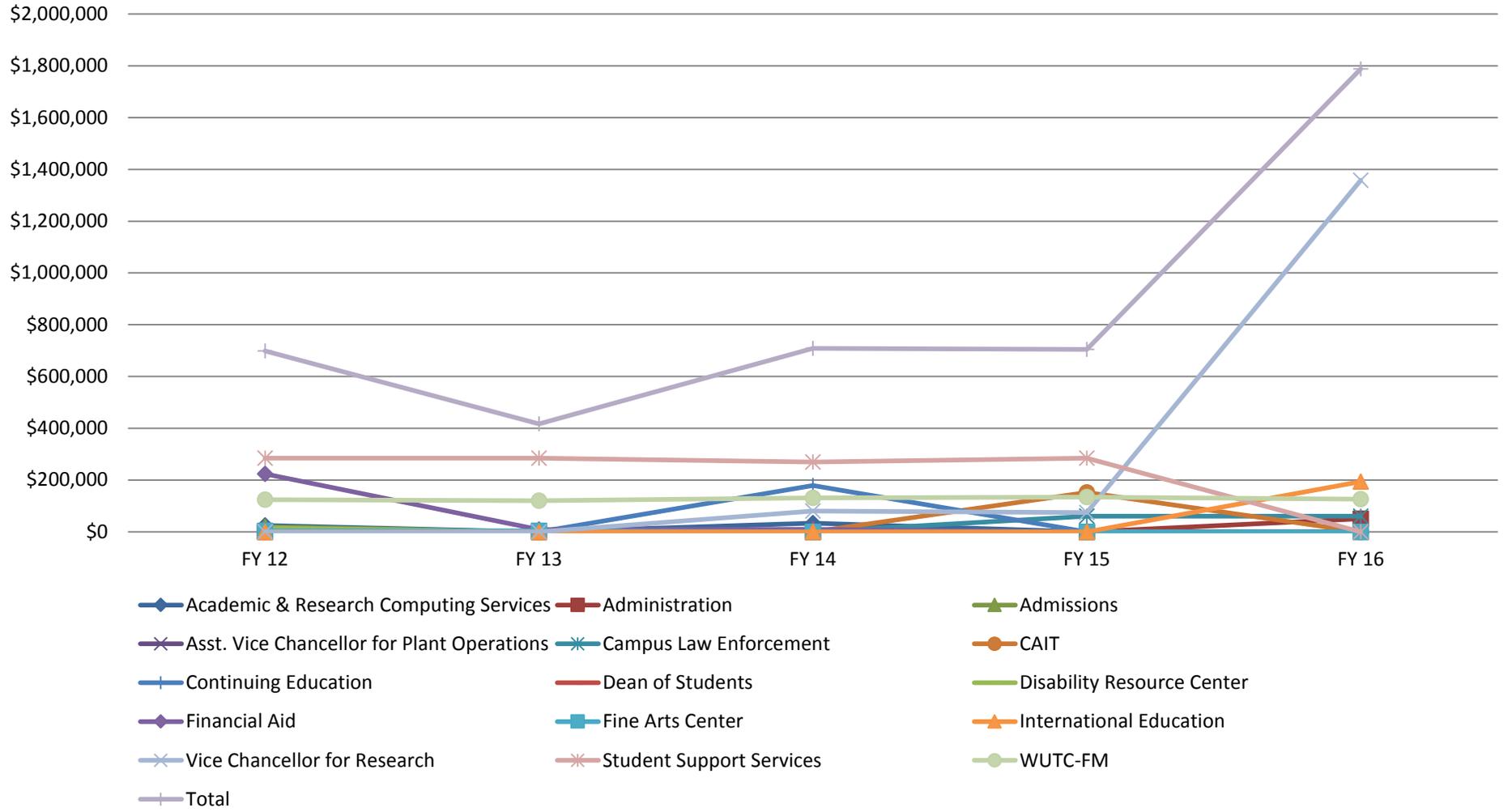
ADMINISTRATIVE UNITS

Notes: 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 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.

Submissions by Department				
Lead PI/PD	Funder	Title	Amount	FA
Associate Provost – Academic Affairs				
Benkert, Stuart	Tennessee Higher Education Commission	The Summer Success Experience: Supporting the Progression of Low-Income Students	\$199,999	SS
Freeze, John	University of Tennessee - Institute of Public Service	Southeastern Command and Leadership Academy (SECLA) 2016-17	\$11,500	I/T
Assistant Provost for Research				
Carroll, Andrew	Tennessee Valley Authority	Addendum to Tennessee Statewide Interactive Paddling Map and National River Database	\$15,000	R
	Tennessee Valley Authority	Tennessee Statewide Interactive Paddling Map and National River Database	\$45,000	R
	The Land Trust for Tennessee	Phase I of a Collaborative Comprehensive Conservation Plan	\$19,966	R
Romagni, Joanne	Tennessee Higher Education Commission	Center for Excellence in Applied Computational Science & Engineering	\$1,162,850	R
General				
Potts, Gretchen	Tennessee Higher Education Commission	UTC's Ready to Reconnect Institutional Mini-Grant	\$50,000	I/T
International Education				
Labs, Kristin	Institute of International Education	French Embassy - Benjamin Franklin Generation Study Abroad Scholarship Program - Incentive Grants	\$5,000	S/F
Suzuki, Takeo	FHI 360	Study of the U.S. Institutes for Student Leaders from Europe (SUSI)	\$192,328	I/T
Student Affairs				
Hughes, Allison	Alliance of Women Philanthropists - Giving Circle	Experiential Education Outdoor Adventure Trip for Women! Hosted by UTC Outdoors and the Women's Center	\$15,222	SS
Hyden, Lindsay	Alliance of Women Philanthropists - Giving Circle	2017 Yogathon	\$3,363	PS
Wiram, Joe	Alliance of Women Philanthropists - Giving Circle	UTC Student Veterans Organization (SVO)	\$5,000	PS

WUTC-FM				
Cantrell, James	Corporation for Public Broadcasting	FY2016 CPB Community Service Grant	\$126,496	PS
Miller, Michael	Alliance of Women Philanthropists - Giving Circle	The Life of Emma Bell Miles: An Audio Documentary	\$6,567	PS
Administrative Unit Total Dollars Requested = \$1,858,291				

ADMINISTRATIVE UNITS FIVE-YEAR FUNDING TRENDS BY DEPARTMENT FISCAL YEARS 2012 - 2016



UTC OFFICE OF RESEARCH & SPONSORED PROGRAMS



HOW WE CAN HELP:

The Office of Research & Sponsored Programs (ORSP) seeks to promote scholarship, research, creative activities, and engagement by encouraging and providing comprehensive support to faculty and staff in the pursuit of sponsored programs.

Identifying Funding Opportunities

Helping you locate the right funding agency and Program. ORSP hosts the Pivot searchable database and helps faculty create profiles to generate information on funding opportunities. We can conduct funding opportunity searches and meet with faculty to provide advice and guidance in identifying an individual research plan. Your research plan may include internal as well as external funding opportunities.

Supporting Proposal Preparation & Submission

Helping you develop a competitive proposal. The earlier we become involved in the proposal process, the more help we can provide to improve your chances for funding. We offer the following services:

1. Provide you with a variety of resources before you begin your proposal, including previously funded proposals, application guidelines, and “tip” sheets for specific agencies;
2. Nominate you to become a proposal reviewer so that you can learn first-hand how a proposal gets selected for funding;
3. Send you to grant-writing workshops and to on-site visits with agencies;
4. Arrange for experienced proposal writers or disciplinary experts to read and comment on your draft proposal;
5. Review your proposal narrative and offer suggestions on program design, administration, budgeting, structure, evaluation, formatting, and writing style; and
6. Help you complete agency forms and submit the proposal to the funding agency, with sufficient lead time.

In addition, ORSP performs the following services:

1. Review and approve proposals before submission to ensure compliance with UT policies and sponsor requirements;
2. Administer the UTC internal proposal approval process through the online Evisions system;
3. Review and process contracts and sub-contracts awarded to the university; and
4. Recognize faculty achievements both internally and to the community through email announcements, website postings, and campus events.

OFFICE OF RESEARCH & SPONSORED PROGRAMS

109 RACE HALL
(423) 425-4431
WWW.UTC.EDU/ORSP

Who We Are

Meredith Perry,
Director
(423) 425-2232
meredith-perry@utc.edu

Angie Johnson,
Assistant Director
(423) 425-5399
angie-johnson@utc.edu

Todd Doman,
Grant Specialist
(423) 425-5868
todd-doman@utc.edu

Sam Stanley,
Grants Specialist
(423) 425-4168
sam-stanley@utc.edu

Abbie Tilley,
Grants Specialist
(423) 425-4431
Abbie-Tilley@utc.edu

Terri Bearbower,
Research Office Manager
(423) 425-4431
terri-bearbower@utc.edu

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