

# Sponsored Program Activity Quarterly Report

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## *Office of Research & Sponsored Programs*

The information contained in this report is drawn from the Evisions database and provides comparisons of the amounts of external funding for the first quarters of FY 16 and FY 17. This report includes all proposals that completed internal routing and were marked as fully “approved” and all awards that were processed and entered into the system as of October 15, 2016. Proposals submitted for internal routing but not yet approved and awards not fully processed as of that date will be included in future quarterly reports.

Only units with sponsored program activity during one or both of these periods are represented in this report. For the purposes of this report, proposals and awards are listed under the administrative unit listed in Evisions. Many proposals include interdisciplinary collaborations that are not captured in this report. Following the charts are lists of grants awarded and submitted year-to-date in FY 17. If any of the information in this report does not correspond to your records, please notify [orsp@utc.edu](mailto:orsp@utc.edu).

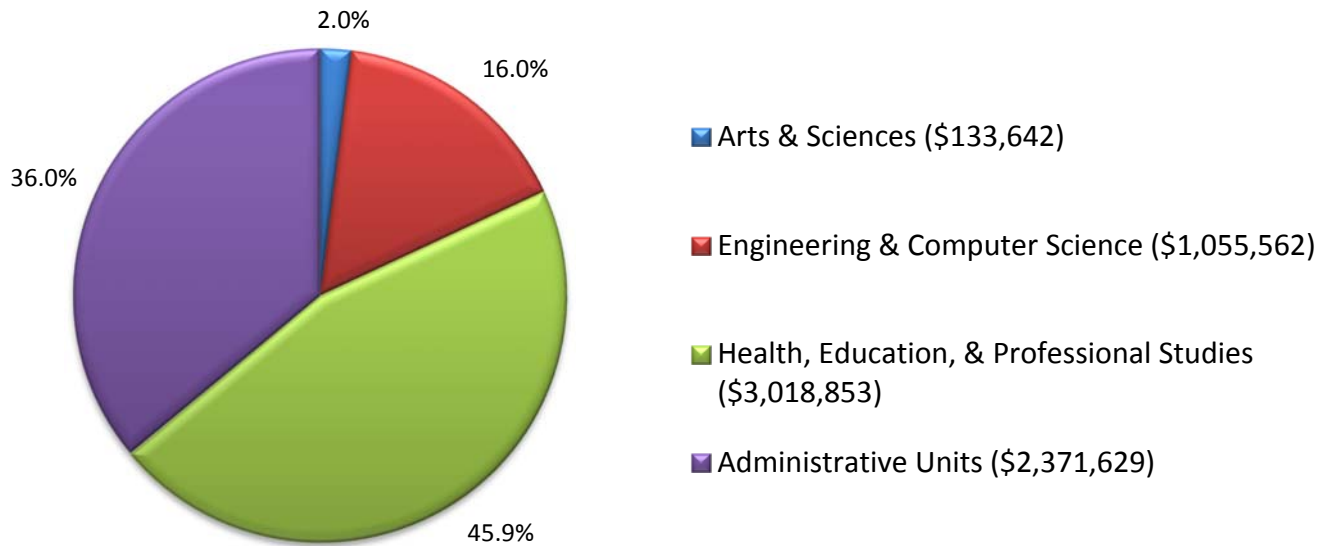
*First Quarter: July 1, 2016- September 30, 2016*

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# UTC Grant Awards

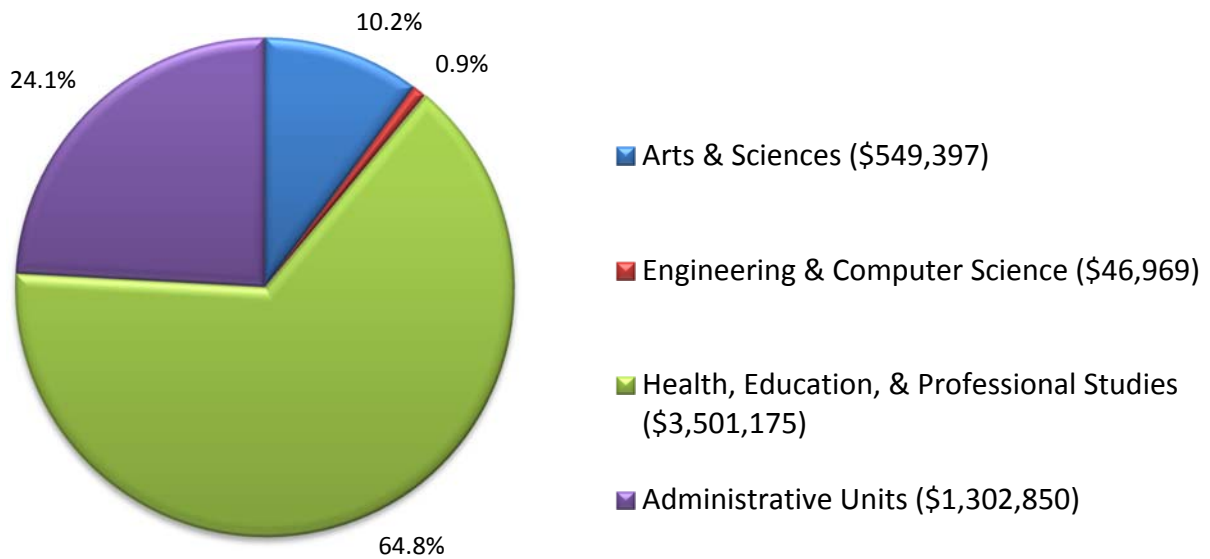
Year-to-date: July 1, 2016 – September 30, 2016

## FY 2017 Awards by College - \$6,579,686



Comparison: July 1, 2015 – September 30, 2015

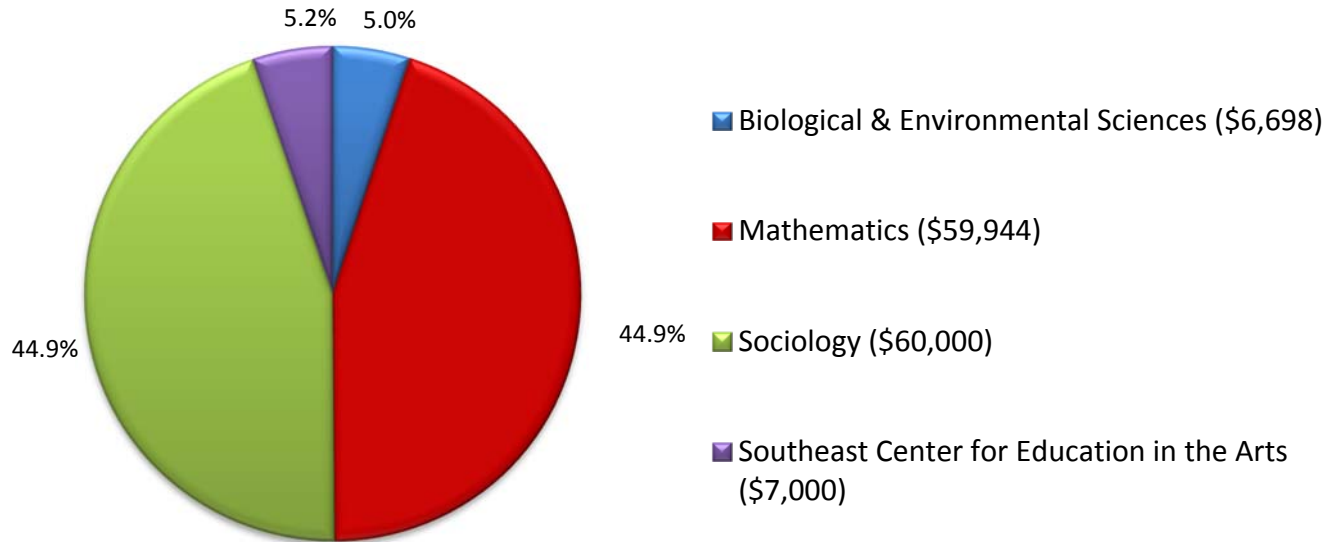
## FY 2016 Awards by College - \$5,400,391



# Grant Awards: College of Arts & Sciences

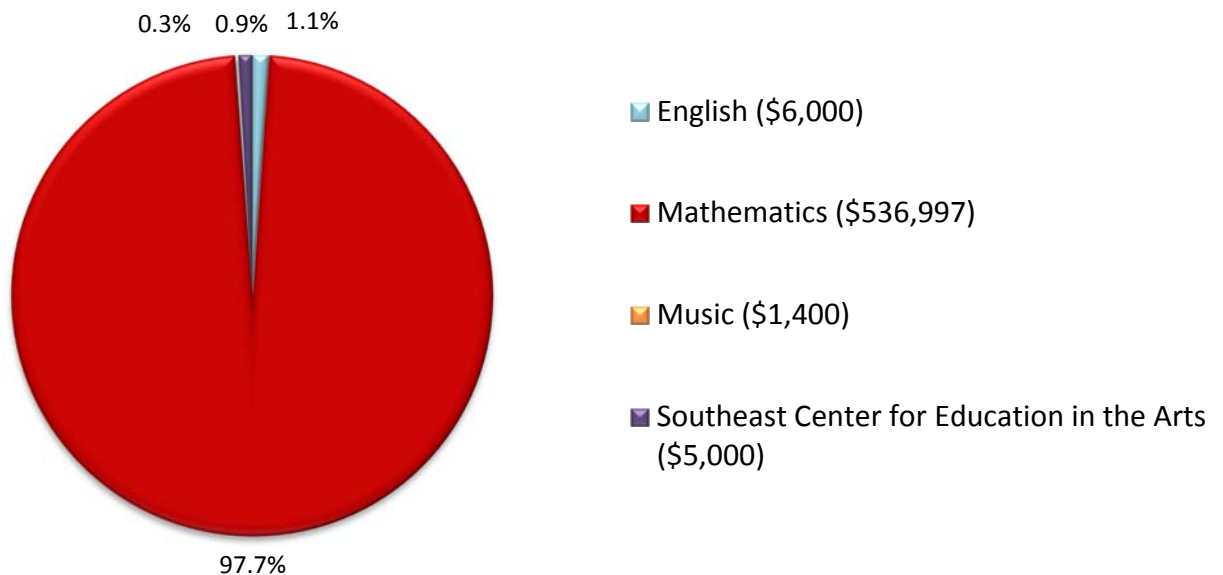
Year-to-date: July 1, 2016 – September 30, 2016

## FY 2017 Arts & Sciences Awards - \$133,642



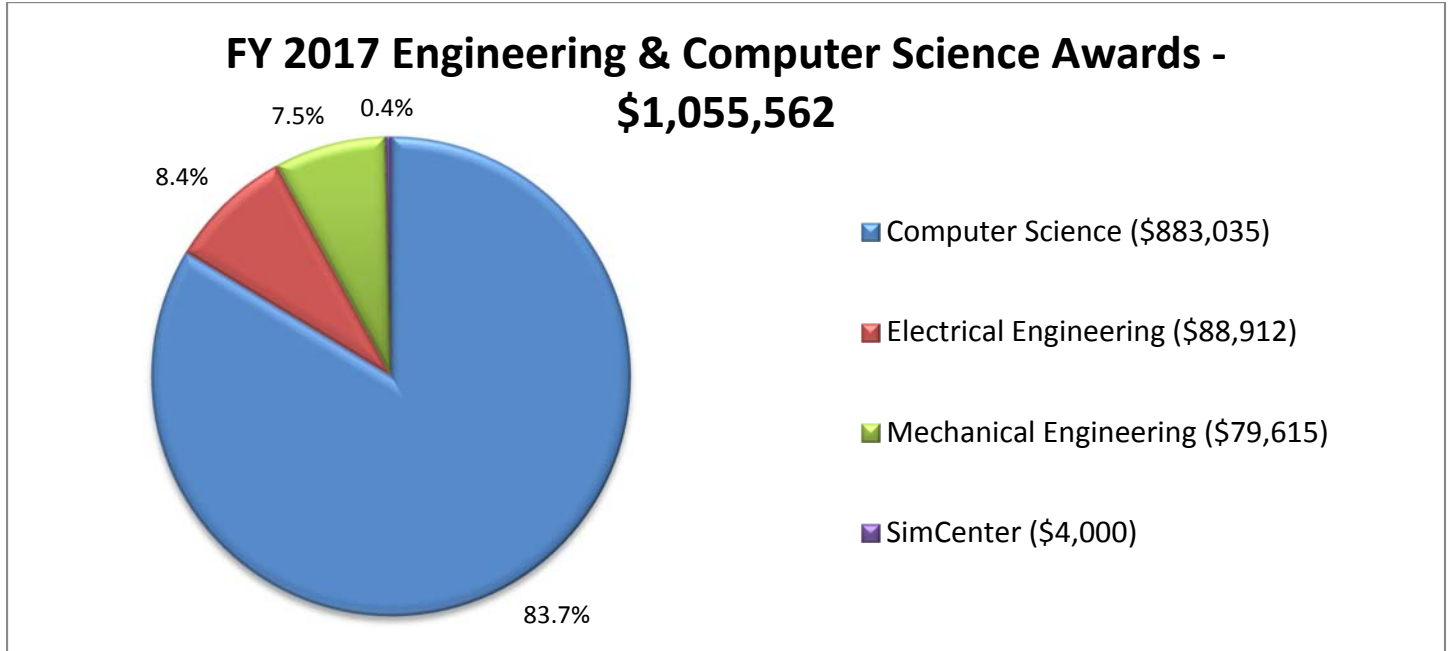
Comparison: July 1, 2015 – September 30, 2015

## FY 2016 Arts & Sciences Awards - \$549,397

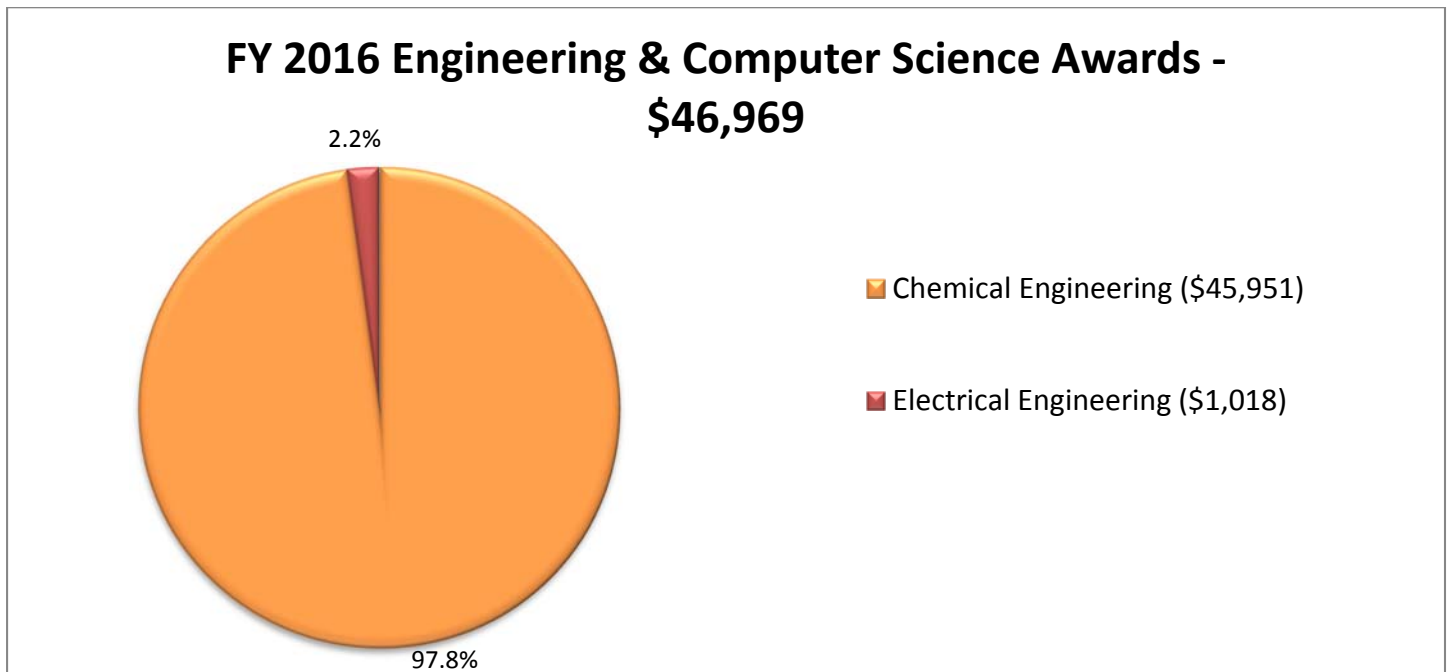


# Grant Awards: College of Engineering & Computer Science

Year-to-date: July 1, 2016 – September 30, 2016

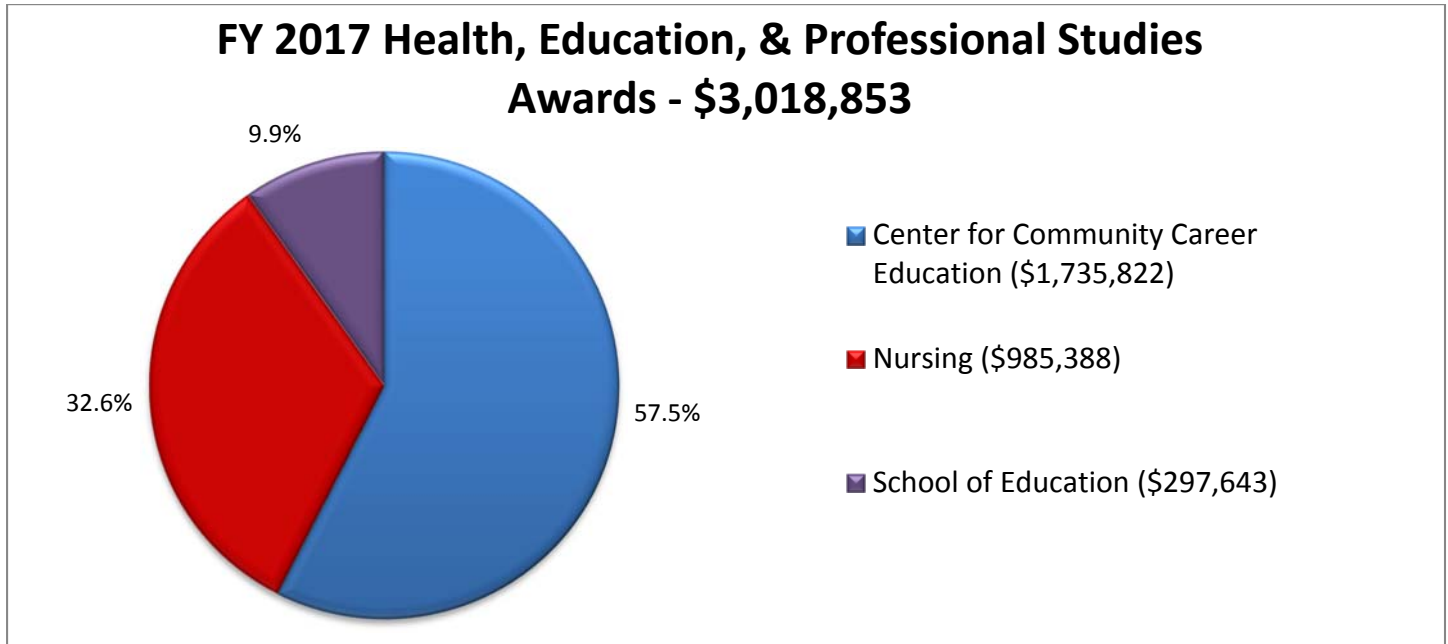


Comparison: July 1, 2015 – September 30, 2015

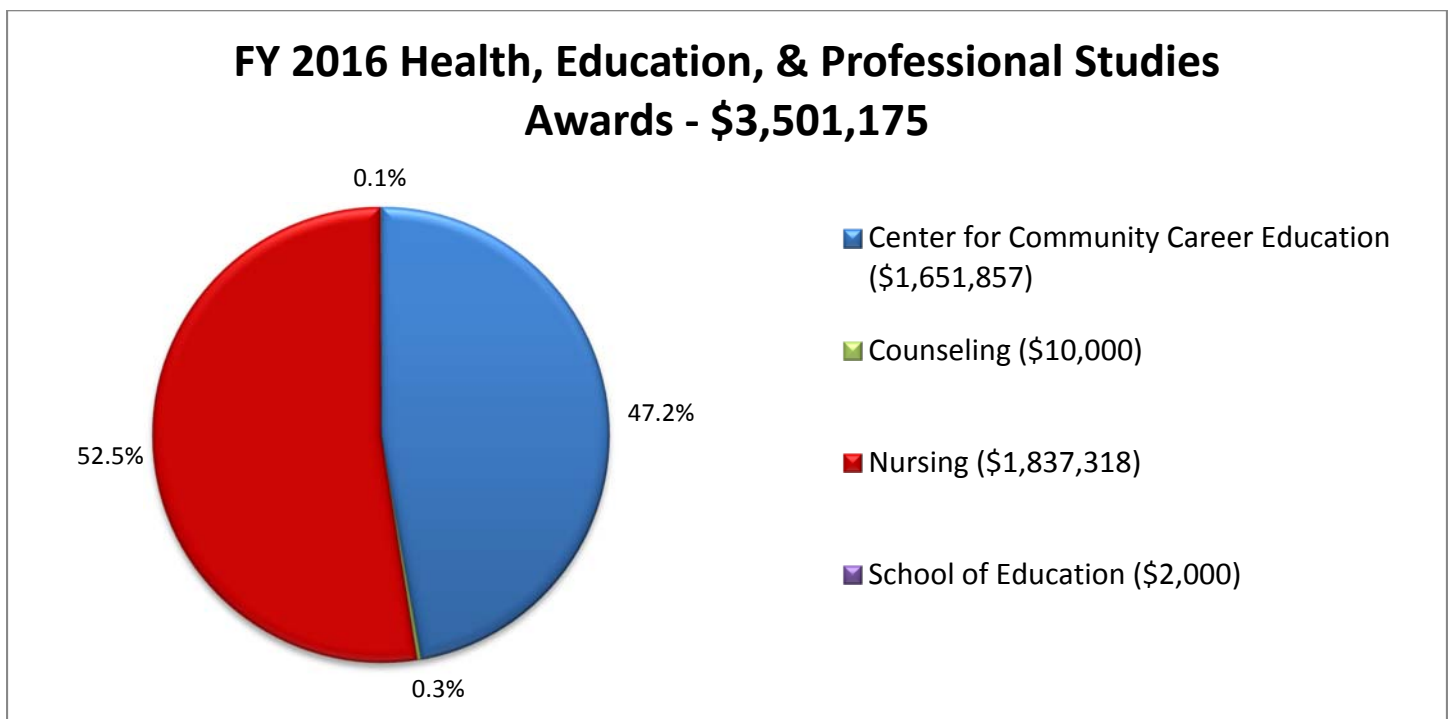


# Grant Awards: College of Health, Education, & Professional Studies

Year-to-date: July 1, 2016 – September 30, 2016



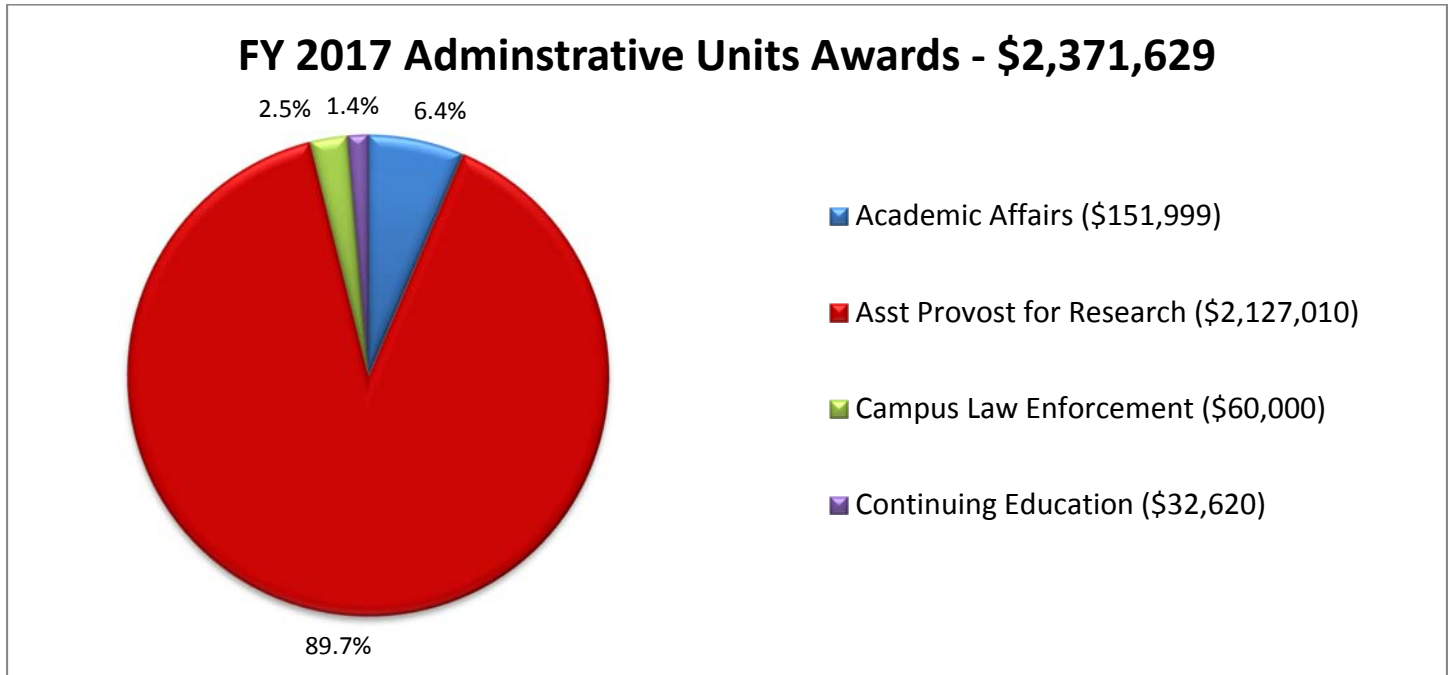
Comparison: July 1, 2015 – September 30, 2015



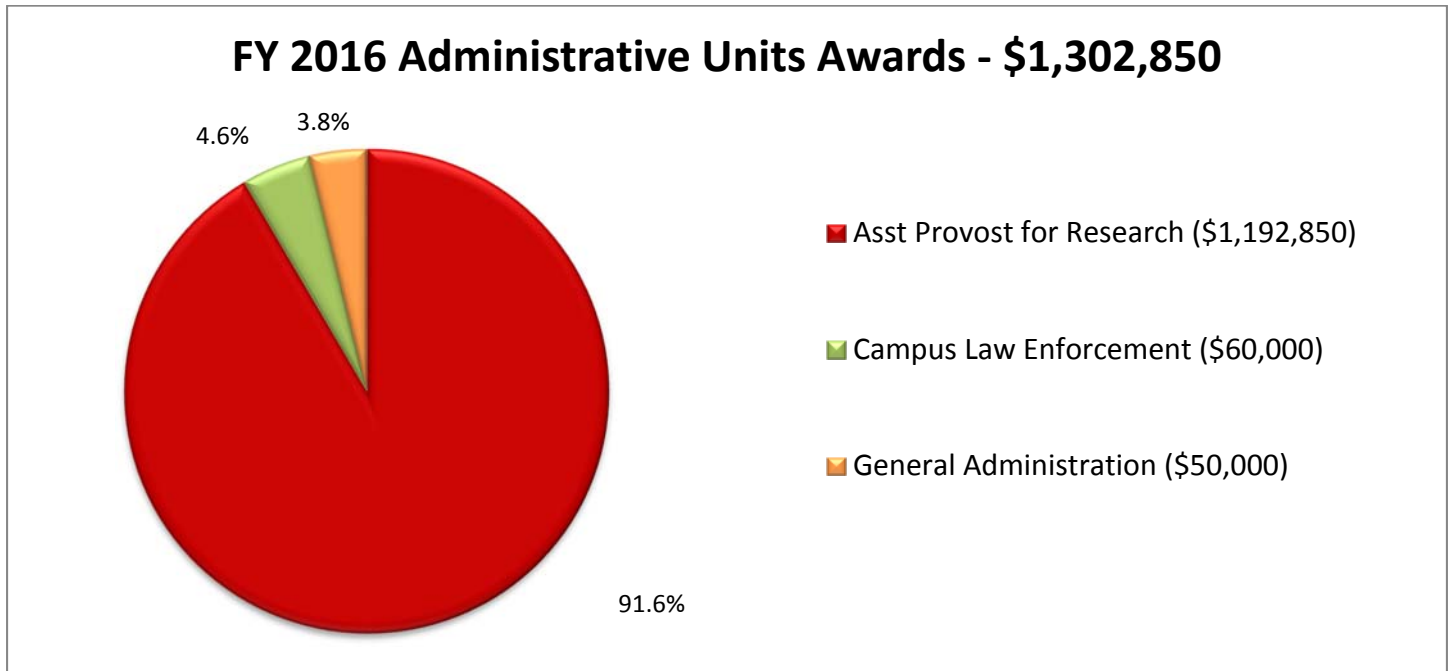


# Grant Awards: Administrative Units

Year-to-date: July 1, 2016 – September 30, 2016



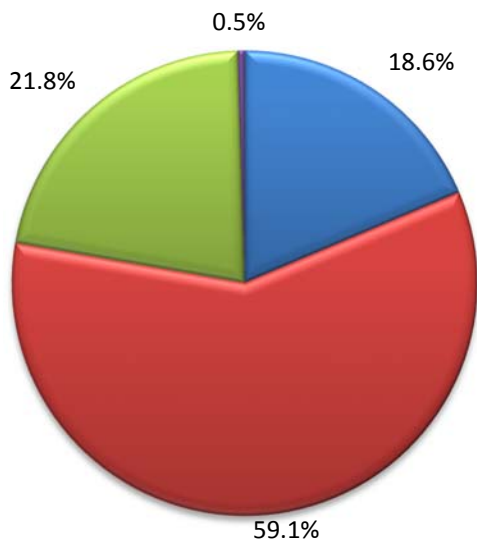
Comparison: July 1, 2015 – September 30, 2015



# UTC Submitted Proposals

Year-to-date: July 1, 2016 – September 30, 2016

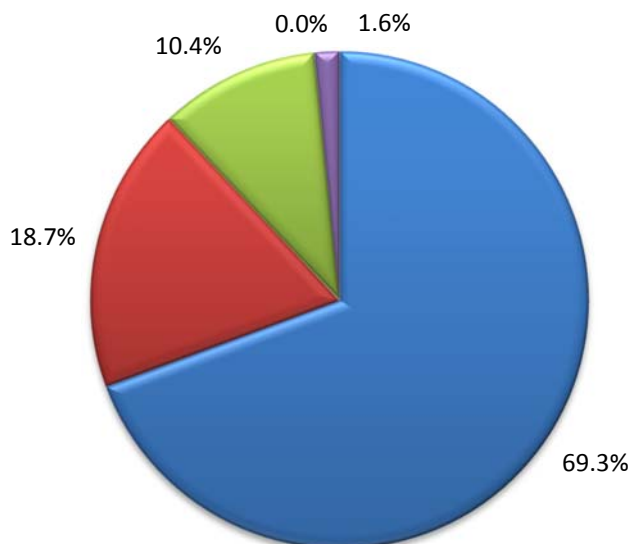
## FY 2017 Submitted Proposals by College - \$10,473,475



- Arts & Sciences (\$1,950,324)
- Engineering & Computer Science (\$6,194,518)
- Health, Education, & Professional Studies (\$2,279,544)
- Administration (\$49,089)

Comparison: July 1, 2015 – September 30, 2015

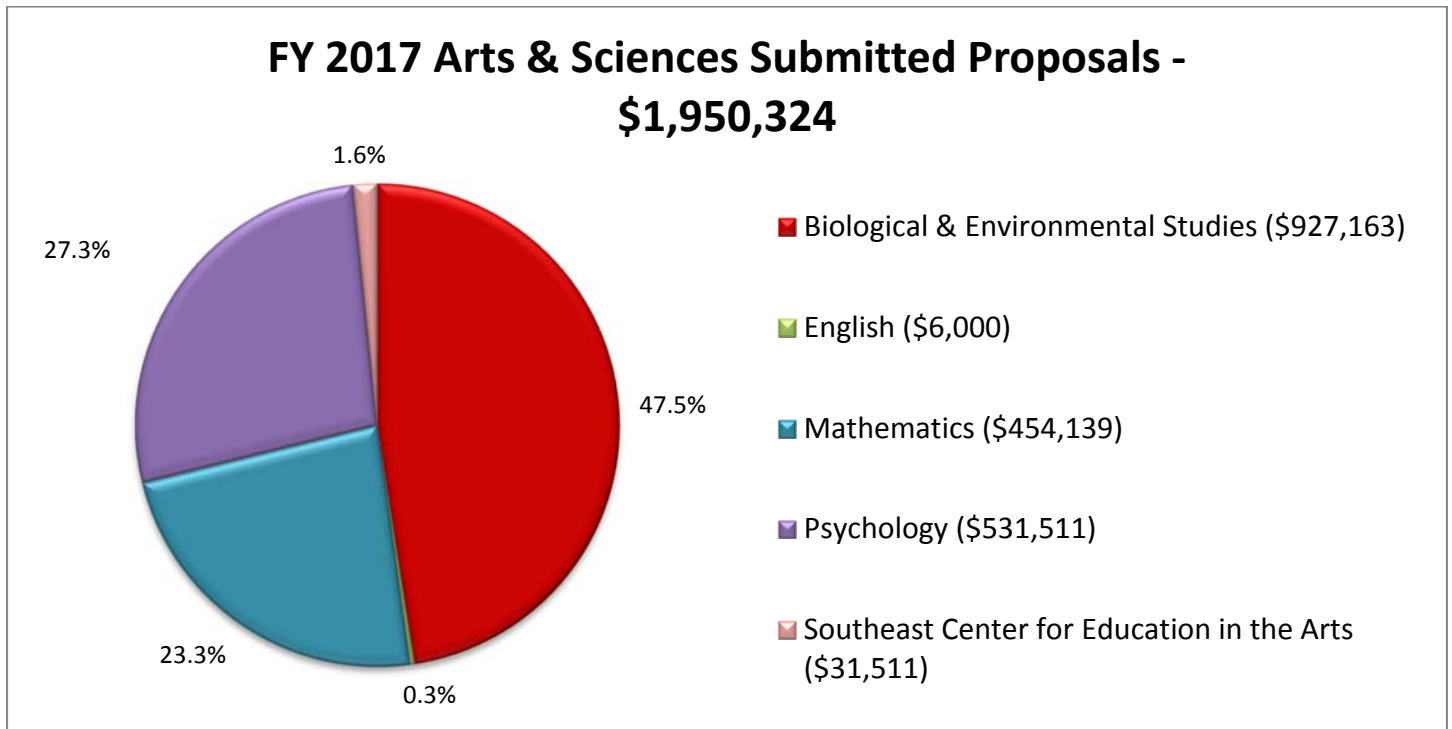
## FY 2016 Submitted Proposals by College - \$3,111,037



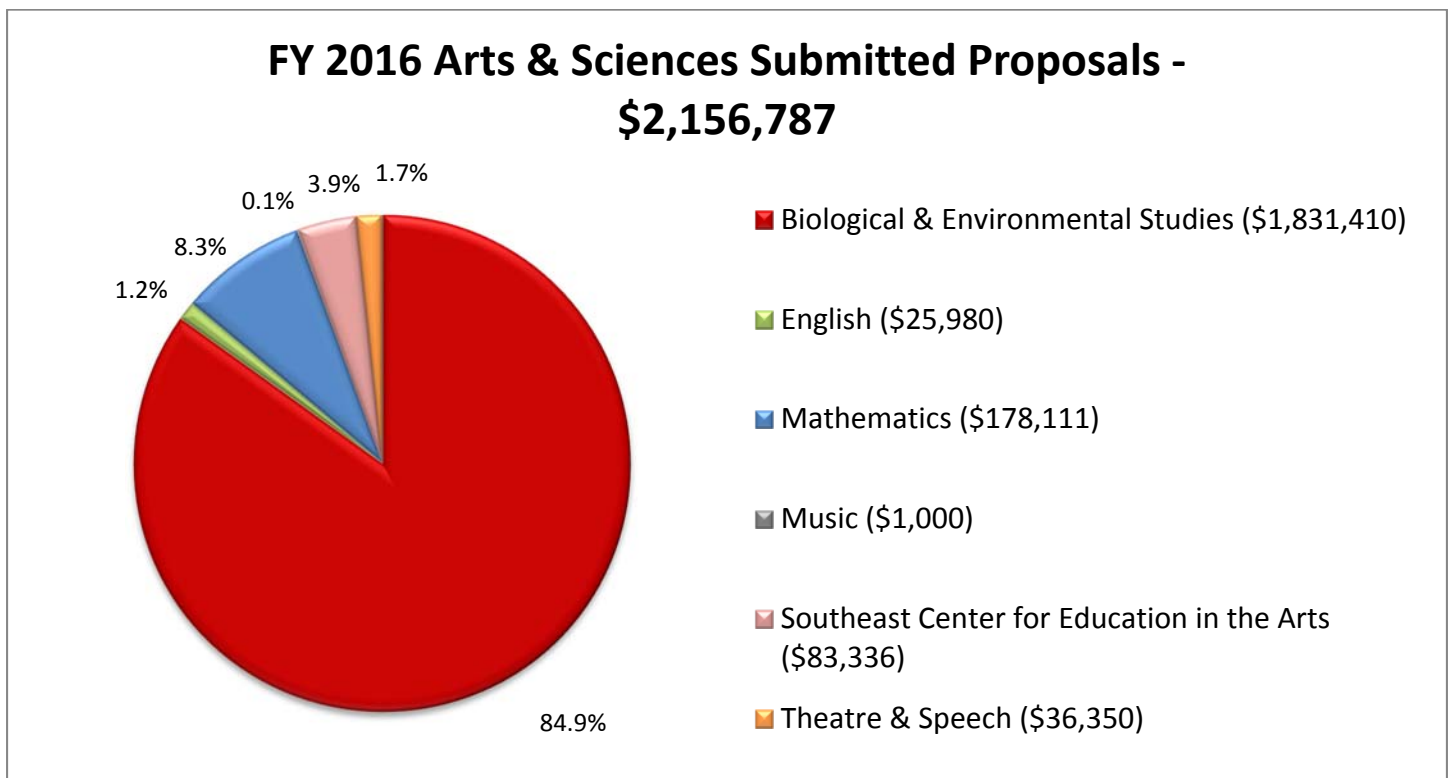
- Arts & Sciences (\$2,156,787)
- Engineering & Computer Science (\$581,088)
- Health, Education, & Professional Studies (\$322,162)
- Honors College (\$1,000)
- Administrative Units (\$50,000)

# Submitted Proposals: College of Arts & Sciences

Year-to-date: July 1, 2016 – September 30, 2016



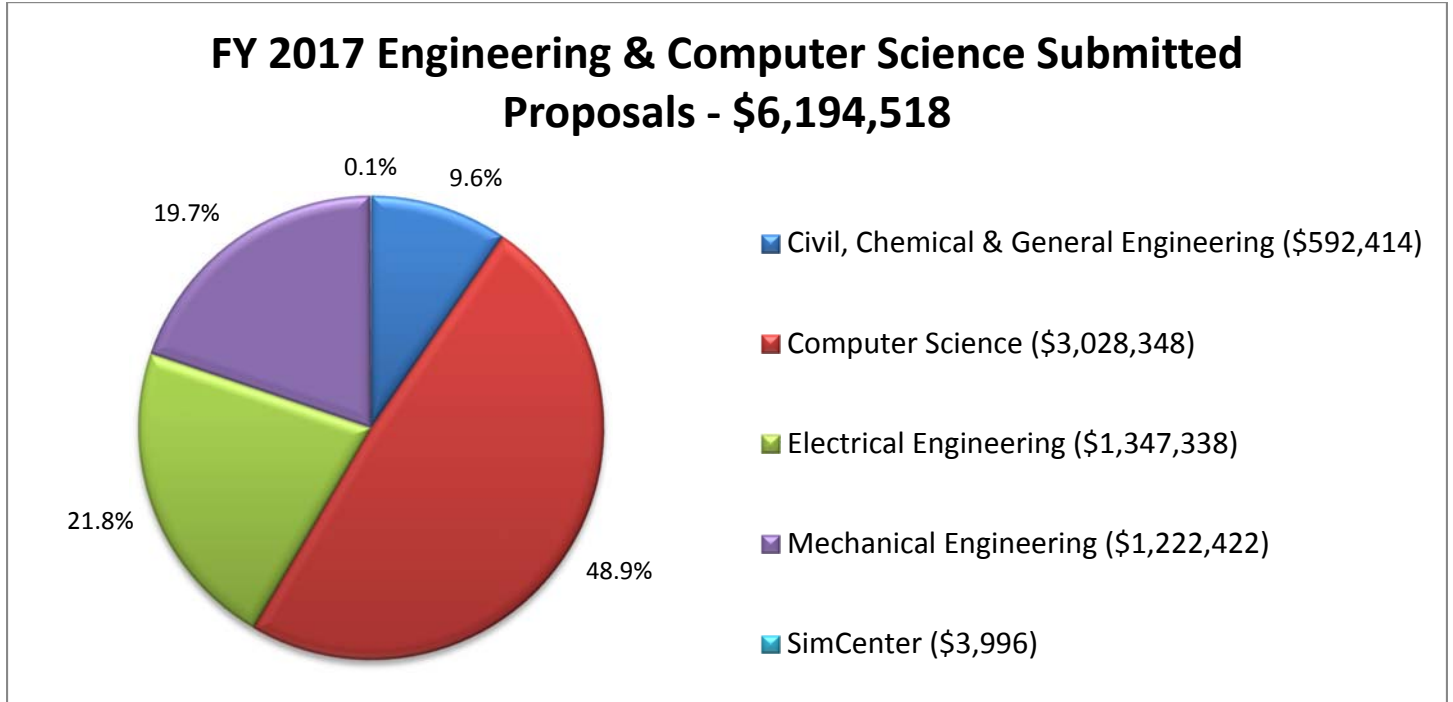
Comparison: July 1, 2015 – September 30, 2015



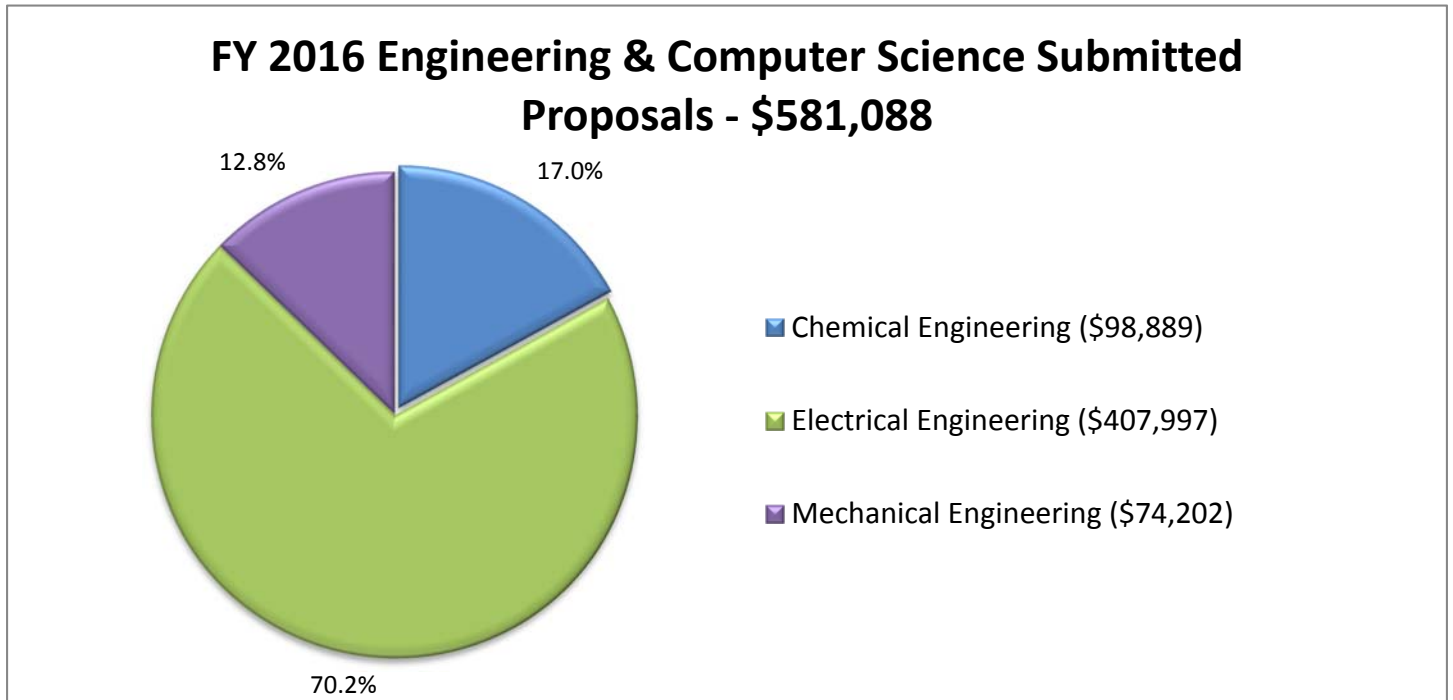


# Submitted Proposals: College of Engineering & Computer Science

Year-to-date: July 1, 2016 – September 30, 2016

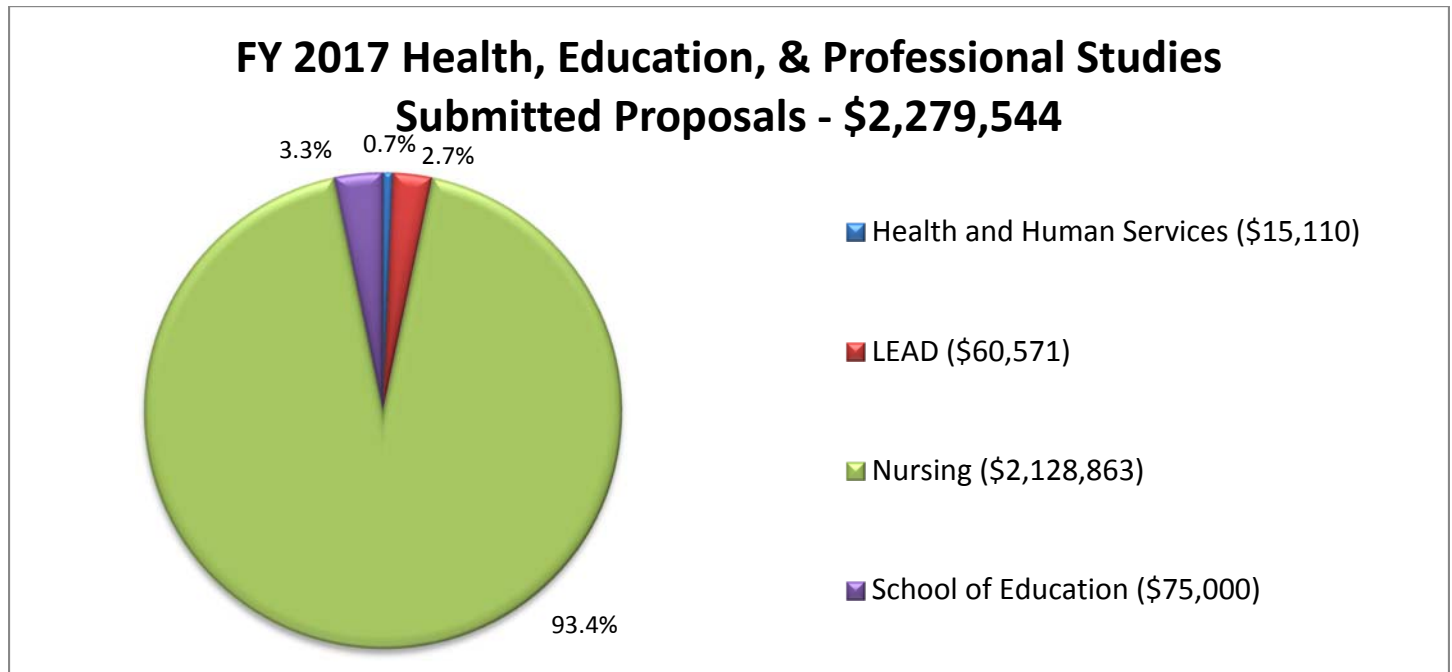


Comparison: July 1, 2015 – September 30, 2015

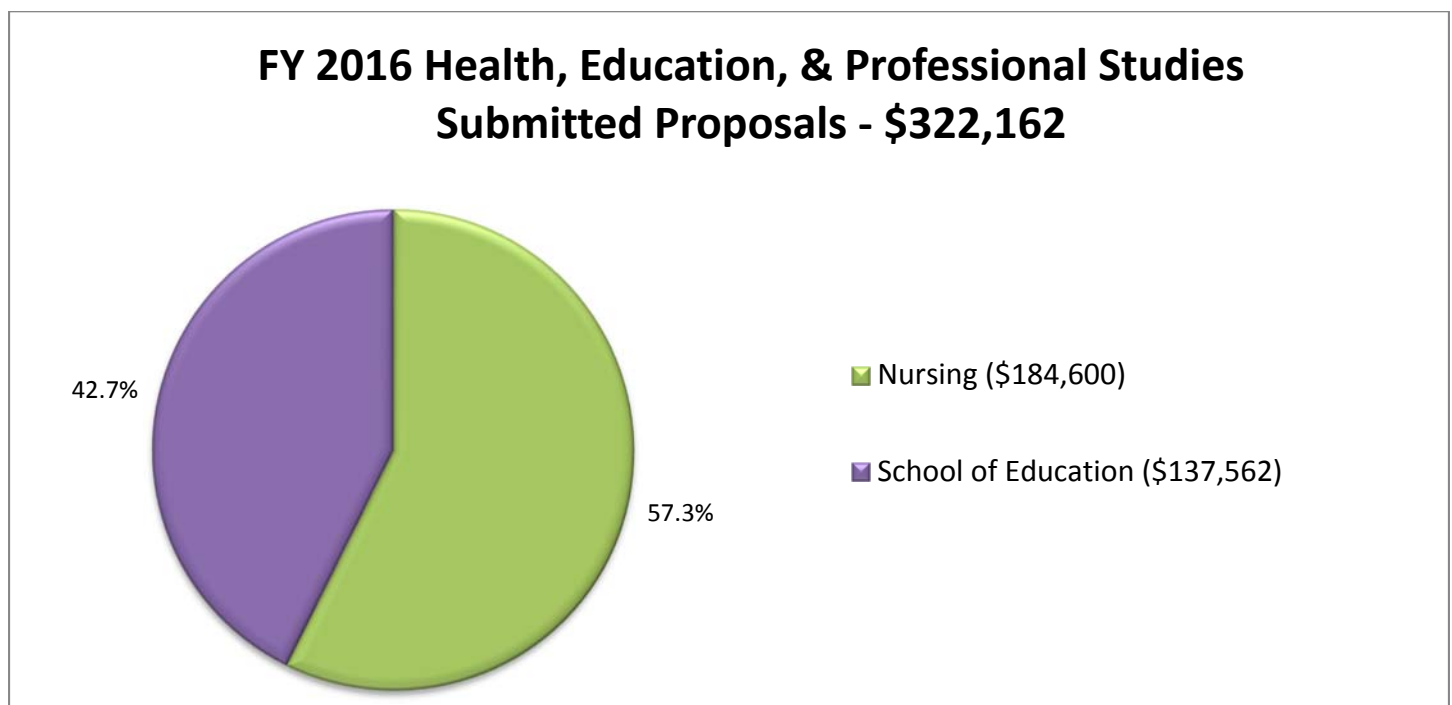


# Submitted Proposals: College of Health, Education, & Professional Studies

Year-to-date: July 1, 2016 – September 30, 2016



Comparison: July 1, 2015 – September 30, 2015



# Submitted Proposals: Administrative Units

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*Year-to-date: July 1, 2016 – September 30, 2016*

## FY 2017 Administrative Units Submitted Proposals - \$49,089

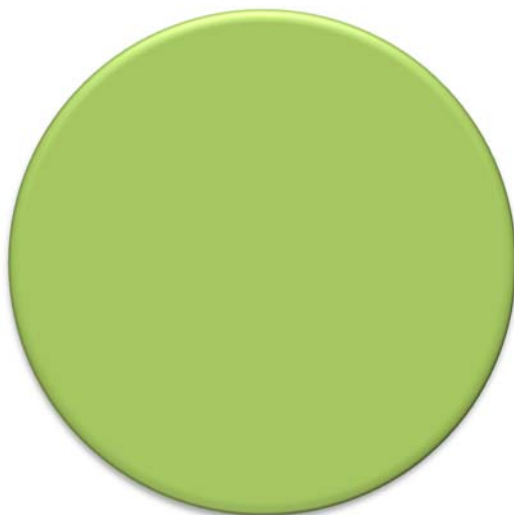


■ International Education (\$49,089)

100%

*Comparison: July 1, 2015 – September 30, 2015*

## FY 2016 Administrative Units Submitted Proposals - \$50,000

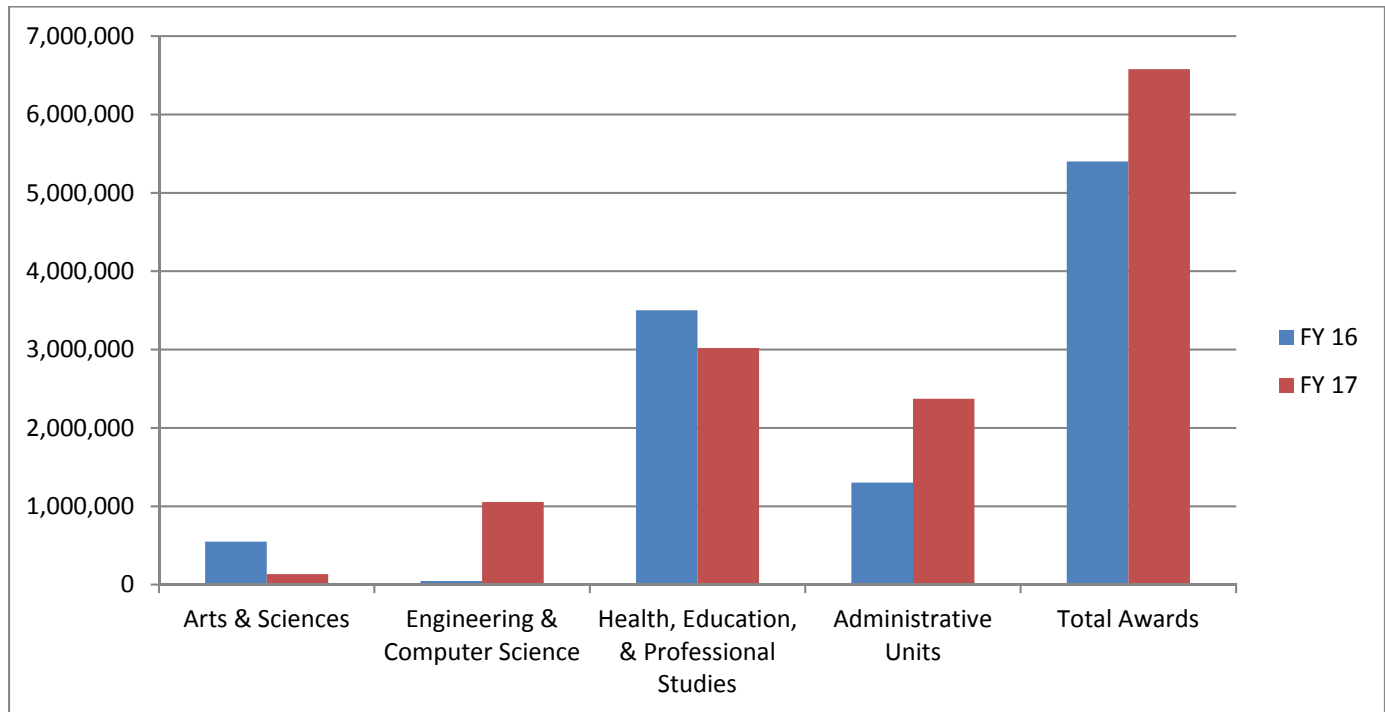


■ General Administration (\$50,000)

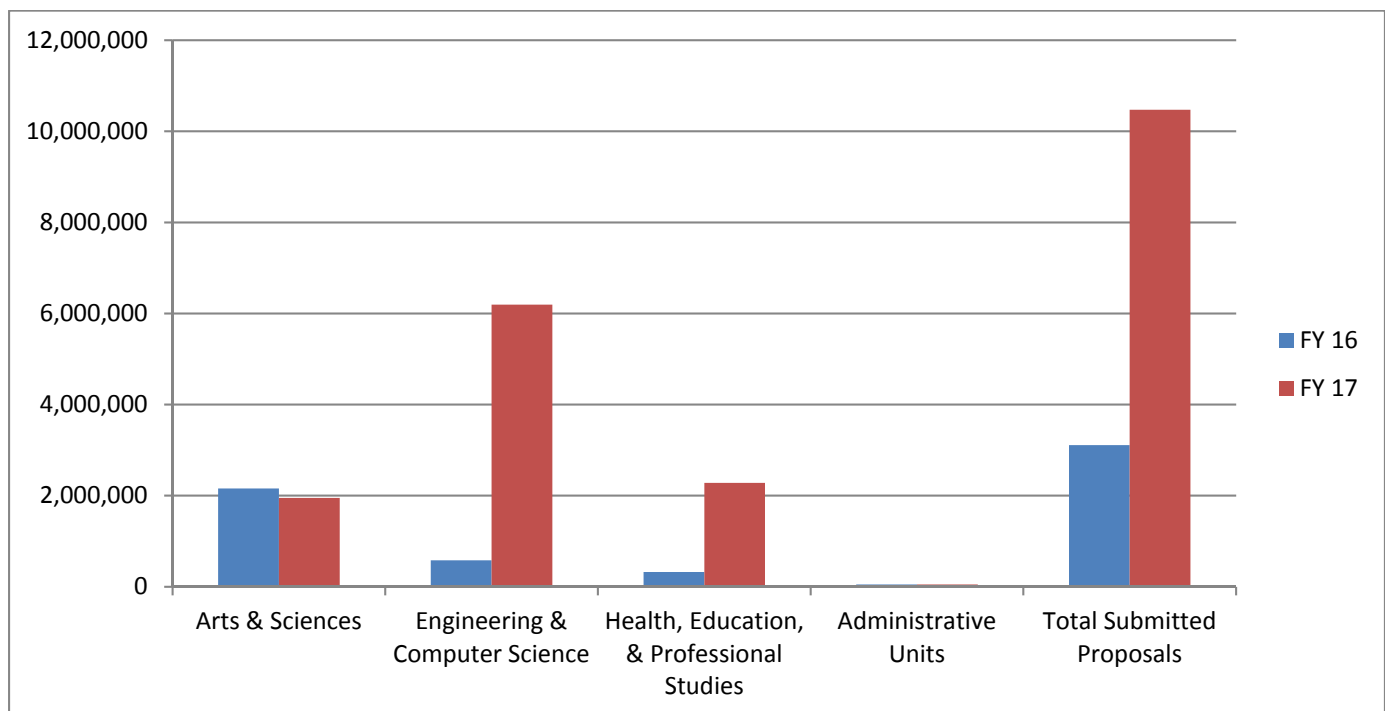
100%

# Awards & Submitted Proposals Comparison

## Year-to-Date 1<sup>st</sup> Quarter Awards



## Year-to-Date 1<sup>st</sup> Quarter Submitted Proposals



# FY 2017 Q1 Awards

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 College					
PI	Sponsor	Department	Title	Amount	FA
<b>Arts &amp; Sciences</b>					
Spratt, Henry	Richmar Medical Devices	Biology	Development of a Protocol to Disinfect GelShot Ultrasound Retaining Clips	\$6,698	R
Bao, Feng	UT-Battelle - Oak Ridge National Laboratory	Mathematics	Scattering Research	\$59,944	R
Guo, Zibin	US Dept. of Veteran's Affairs	Sociology	Wheelchair Tai Chi Chuan as an Adaptive Sport for Veterans with Ambulatory Disability	\$60,000	PS
Melnik, Laurie	Tennessee Arts Commission	Southeast Center for Education	The 10th Annual Arts & Education Forum Series	\$7,000	I/T
<b>Engineering &amp; Computer Science</b>					
Sartipi, Mina	National Science Foundation	Computer Science	US Ignite: Collaborative Research: Focus Area 1: Fleet Management of Large-Scale Connected Autonomous Vehicles	\$298,325	R
	National Science Foundation	Computer Science	Collaborative Research: Robust Asset-and-User-Aware Power Grid Dispatch during Extreme Temperatures	\$119,829	R
Wu, Dalei	National Science Foundation	Computer Science	US Ignite: Collaborative Research: Focus Area 1: Fiber Network for Smart Mapping, Monitoring and Managing Underground Urban Infrastructure	\$299,884	R
Yang, Li	National Science Foundation	Computer Science	CyberCorps: Collaborative Research: Building Security Education Capacity through POGIL	\$164,997	R

Pack, Daniel	University of Texas - San Antonio	Engineering Electrical	Cognition and Neuroergonomics Collaborative Technology Alliance Technology Transition Subcontract for Mutually Adaptive Systems	\$88,912	R
Elliott, Louie	Gestamp	Engineering Mechanical	On the Simulation and Modeling of Sheet Metal Forming for Gestamp Chattanooga	\$79,615	R
Sreenivas, Kidambi	Oak Ridge National Laboratory	Engineering-SIM Center	Simulation of Pelton Turbine	\$4,000	R
<b>Health, Education, &amp; Professional Studies</b>					
Boykin, Twyler	US Dept. of Education	Center for Community Career Ed	Upward Bound Math and Science	\$257,500	PS
Cole, Sandra	Tennessee Higher Education Commission	Center for Community Career Ed	Each One Reach One (EORO)	\$49,992	SS
Gholston, Shirl	US Dept. of Education	Center for Community Career Ed	Student Support Services FY16-FY21	\$293,288	SS
Huckabay, H	US Dept. of Education	Center for Community Career Ed	GEAR UP in Hamilton County, TN 2011-2018	\$624,104	AS
Long, Cynthia	US Dept. of Education	Center for Community Career Ed	Southern Appalachian Educational Opportunity Center	\$270,938	AS
Vann, Karen	US Dept. of Education	Center for Community Career Ed	Talent Search	\$240,000	PS
Hill, Linda	Health Resources and Services Administration	Nursing	CRNAs in 3D: Increasing Diversity, Reducing Disparities, & Understanding the Social Determinants of Health	\$343,633	AS
Smith, Christine	Health Resources and Services Administration	Nursing	COMPASS Project 2014-2017	\$299,401	AS



	Health Resources and Services Administration	Nursing	2016 UTC School of Nursing Advanced Education Nurse Traineeships (2016 AENT)	\$342,354	S/F
Ellington, J	Charles Koch Foundation	School of Education	Center for Reflective Citizenship Teaching Fellows Program	\$24,844	C/S
Gamble, Ethel	US Dept. of Education	School of Education	Teachers Helping English Language Proficiency (HELP)	\$272,799	AS
<b>Administrative Units</b>					
Benkert, Stuart	Tennessee Higher Education Commission	Academic Affairs	The Summer Success Experience: Supporting the Progression of Low-Income Students	\$151,999	SS
Carroll, Andrew	Benwood Foundation	Assoc Provost for Research	Support of Geographic Information System (GIS) services by Center for Academic and Innovative Technologies (CAIT)	\$15,000	R
Carver, Ethan	National Science Foundation	Assoc Provost for Research	ASPIRE: Appalachian Students Promoting the Integration of Research in Educations	\$2,112,010	S/F
Hamilton, Craig	Tennessee Office of Criminal Justice Programs	Campus Law Enforcement	Making our Campus Safer (MOCS)	\$60,000	IS
Freeze, John	Institute of Public Service	Continuing Education	Southeastern Command and Leadership Academy (SECLA)	\$11,500	I/T
Reese, Virginia	Institute of Public Service	Continuing Education	Southeastern Command and Leadership Academy (SECLA)	\$21,120	I/T

# FY 2017 Q1 Submitted Proposals

Notes: Proposals 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 College					
Lead PI	Sponsor	Department	Title	Amount	FA
<b>Arts &amp; Sciences</b>					
Boyd, Jennifer	US Fish and Wildlife Service	Biology	Assessing and enhancing the success of transplanted to support <i>Platanthera integrilabia</i> conservation	\$22,354	R
	National Science Foundation	Biology	RUI: Collaborative Research: Reasons for Rarity? Exploring Acclimatory and Adaptive Constraints to Commonness	\$356,009	R
Giles, David	Cystic Fibrosis Foundation	Biology	qPCR and Structural Analyses of <i>P. aeruginosa</i> Following Fatty Acid Exposure	\$106,619	R
Hayes, Loren	The Hearst Foundation, Inc.	Biology	Minority Women in Science Endeavor (M-WISE)	\$210,230	S/F
Hossain, A.K.M.	University of Mississippi (UM)	Biology	Monitoring groundwater storage changes in the Mississippi Delta using downscaled GRACE data to support sustainable agricultural water management	\$231,951	R
Noe, Marcia	Society for the Study of Midwestern Literature	English	Society for the Study of Midwestern Literature Journal Editing	\$6,000	IS
Bao, Feng	UT-Battelle - Oak Ridge National Laboratory	Mathematics	Scattering Research	\$59,945	R
Jackson, Billy	National Science Foundation	Mathematics	Preparing the University of Tennessee Chattanooga for STEM Teacher Leadership	\$48,204	R

	Tennessee Higher Education Commission	Mathematics	Putting STEM Into STEM	\$71,263	I/T
Ledoan, Andrew	University of Tennessee - Chattanooga	Mathematics	REU Site: Number Theory, Probability Theory, and Dynamical Systems	\$274,727	R
Shelton, Jill	National Science Foundation	Psychology	CAREER – Revealing the Dynamic Nature of Prospective Memory	\$531,511	R
Melnik, Laurie	Hunter Museum of American Art	Southeast Center for Education	STEEEP to STEEPPER Medical Student Training	\$11,000	I/T
	National Endowment for the Arts	Southeast Center for Education	I Come From a Place: A cross-generational, multidisciplinary in-school residency.	\$20,511	I/T
<b>Engineering &amp; Computer Science</b>					
Rollins, Alex	Precast/Prestressed Concrete Institute	Civil, Chemical, & General Engineering	Efficient Modular Wall Systems for New Construction and Retrofit	\$45,000	R
Wu, Weidong	National Science Foundation	Civil, Chemical, & General Engineering	CAREER: Small Scale Lab Experiments & Computer Methods for Levee and Dam Rapid Repair Technologies	\$547,414	R
Kandah, Farah	National Science Foundation	Computer Science	CAREER: Adopted Networking Design to Improve the Network Performance in Crowded and Critical Situations	\$536,368	R
	National Science Foundation	Computer Science	CC* Networking Infrastructure: Bandwidth Obtained for Learning Science, Technology, Engineering, and Research (BOLSTER)	\$492,885	R
	Office of Science	Computer Science	PRELIM Proposal: Software Defined Network Utilization to Improve the Network Performance in Collaborative Virtual Labs	\$0	R

Qin, Hong	National Science Foundation	Computer Science	REU Site: IComputeB2 - Engaging Undergraduates in Interdisciplinary Computing for Biological and Biomedical Research	\$321,489	R
Yang, Li	National Science Foundation	Computer Science	Collaborative Research: SFS Program: Strengthening the National Cyber Security Workforce	\$1,540,766	S/F
	National Institute of Standards and Technology	Computer Science	RAMPS: Building a Regional Partnership to Increase Cybersecurity Workforce project.	\$136,840	I/T
Loveless, Thomas	National Science Foundation	Electrical Engineering	CAREER: Maximizing Computational Performance and Reliability in State-of-the-Art Near-Threshold Computing Technologies through Stochastic Modeling	\$500,000	R
	National Reconnaissance Office	Electrical Engineering	Preliminary Proposal: Development of a Stochastic-Based Reliability Modeling Tool for Emerging IC Technologies	\$254,355	R
	National Science Foundation	Electrical Engineering	REU Site: An Interdisciplinary CubeSat Research and STEM Education Platform at the University of Tennessee at Chattanooga (UTChattSat)	\$322,155	R
Pack, Daniel	University of Texas - San Antonio (UTSA)	Electrical Engineering	Cognition and Neuroergonomics Collaborative Technology Alliance Technology Transition Subcontract for Mutually Adaptive Systems	\$88,912	R
Reising, Donald	National Reconnaissance Office	Electrical Engineering	Preliminary Proposal - Wireless Device ID Using Compressive Sensing	\$181,916	R
Elliott, Louie	Gestamp	Mechanical Engineering	On the Simulation and Modeling of Sheet Metal Forming for Gestamp Chattanooga	\$79,615	R
Margraves, Charles	National Science Foundation	Mechanical Engineering	Using a Zero+ Energy Building as a Pathway to STEM Careers	\$1,142,807	R

Sreenivas, Kidambi	Oak Ridge National Laboratory	SIM Center	Simulation of Pelton Turbine	\$3,996	R
<b>Health, Education, &amp; Professional Studies</b>					
Howard-Baptiste, Shewanee	Community Foundation of Greater Chattanooga Incorporated	Health and Human Services	D.A.N.C.E. - Determining Adolescents' Needs for Culturally-Appropriate Exercises: Investigating the Barriers to Physical Activity for Minority Female Adolescents	\$15,110	R
Crawford, Elizabeth	Tennessee Department of Education	LEAD	Governor's School for Prospective Teachers 2017	\$60,571	I/T
Kemplin, Katharine	Department of Defense	Nursing	Military Medics Evaluative Diagnostic In Clinical Simulation (MMEDICS) Predictive Performance Assessment Model	\$959,449	R
	Department of Defense	Nursing	Prolonged & Extended Care Military Medics Evaluative Diagnostic (PECMED): Training & Performance Assessment Model	\$1,169,414	R
Ellis, Jennifer	National Science Foundation	School of Education	UTChattanooga STEM Education Noyce Scholarship Program	\$0	S/F
McAllister, Deborah	Tennessee Higher Education Commission	School of Education	Leveraging GLOBE Resources to Implement Middle Grades Science and Mathematics Standards	\$75,000	I/T
<b>Administration</b>					
Suzuki, Takeo	FHI 360	International Education	Young Transatlantic Leader Exchange: Entrepreneurship and Innovation	\$49,089	SS