

UNIVERSITY OF TENNESSEE AT CHATTANOOGA

SPONSORED PROGRAM ACTIVITY

QUARTERLY REPORT



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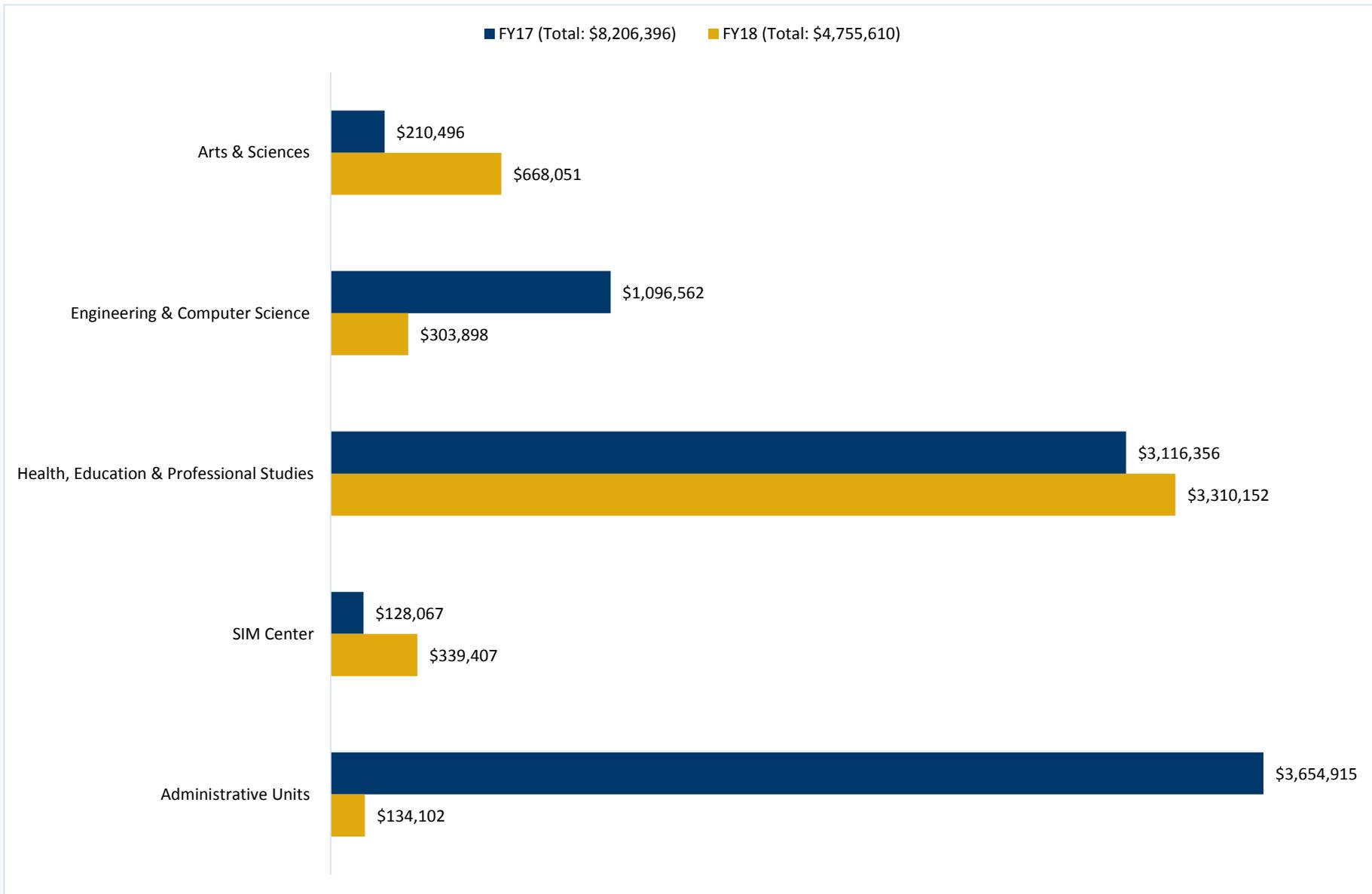
INTRODUCTION

SECOND QUARTER: JULY 1, 2017 – DECEMBER 31, 2017

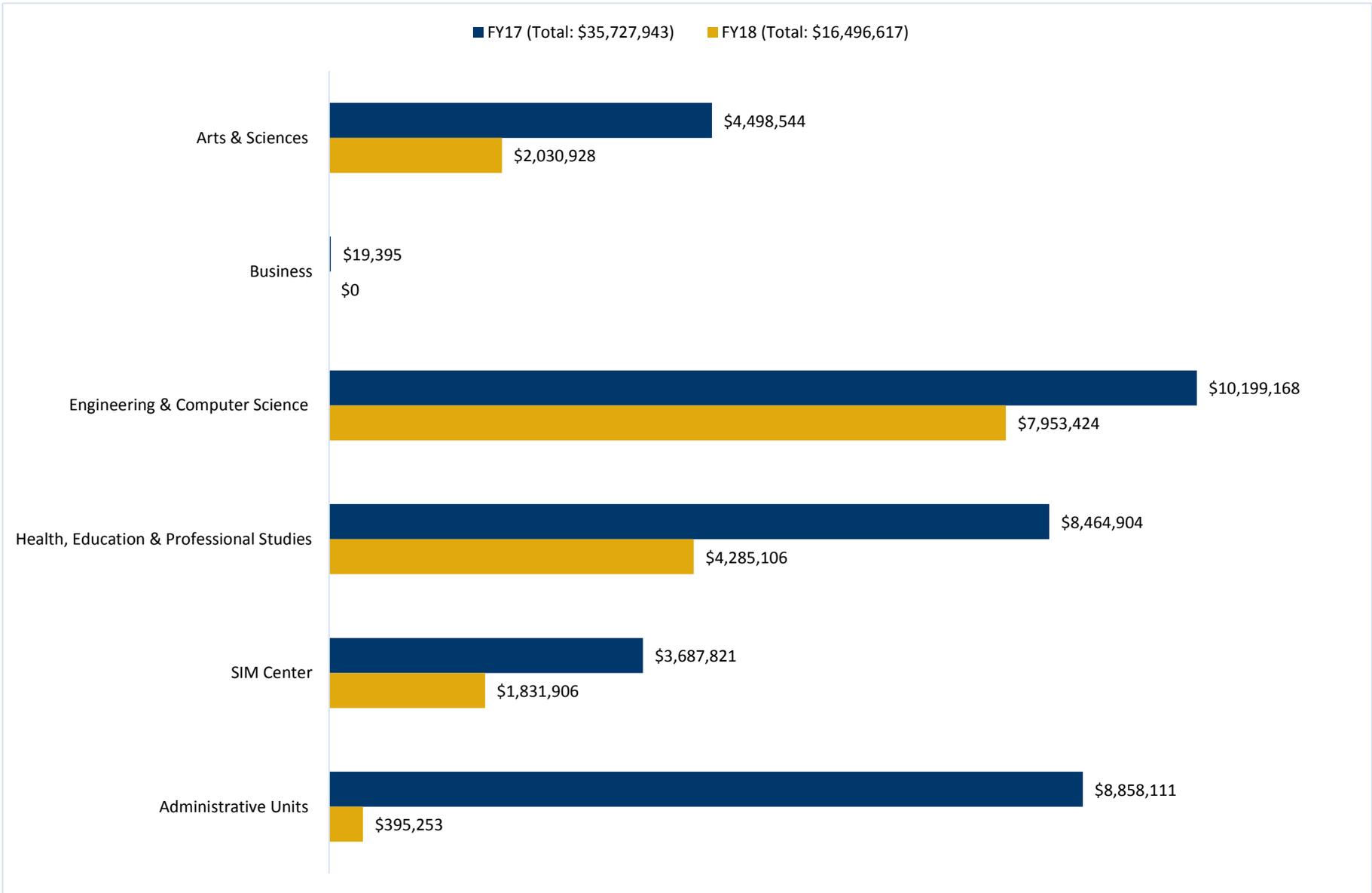
The information contained in this report is drawn from the Evisions database and provides comparisons of the amounts of external funding for the second quarters of FY 17 and FY 18. This report includes all proposals and awards that were reported and approved by December 31, 2017. Proposals submitted for internal routing but not yet approved and awards not fully processed as of that date will be included in future quarterly reports. If any of the information in this report does not correspond to your records or you have general questions, please notify orsp@utc.edu.



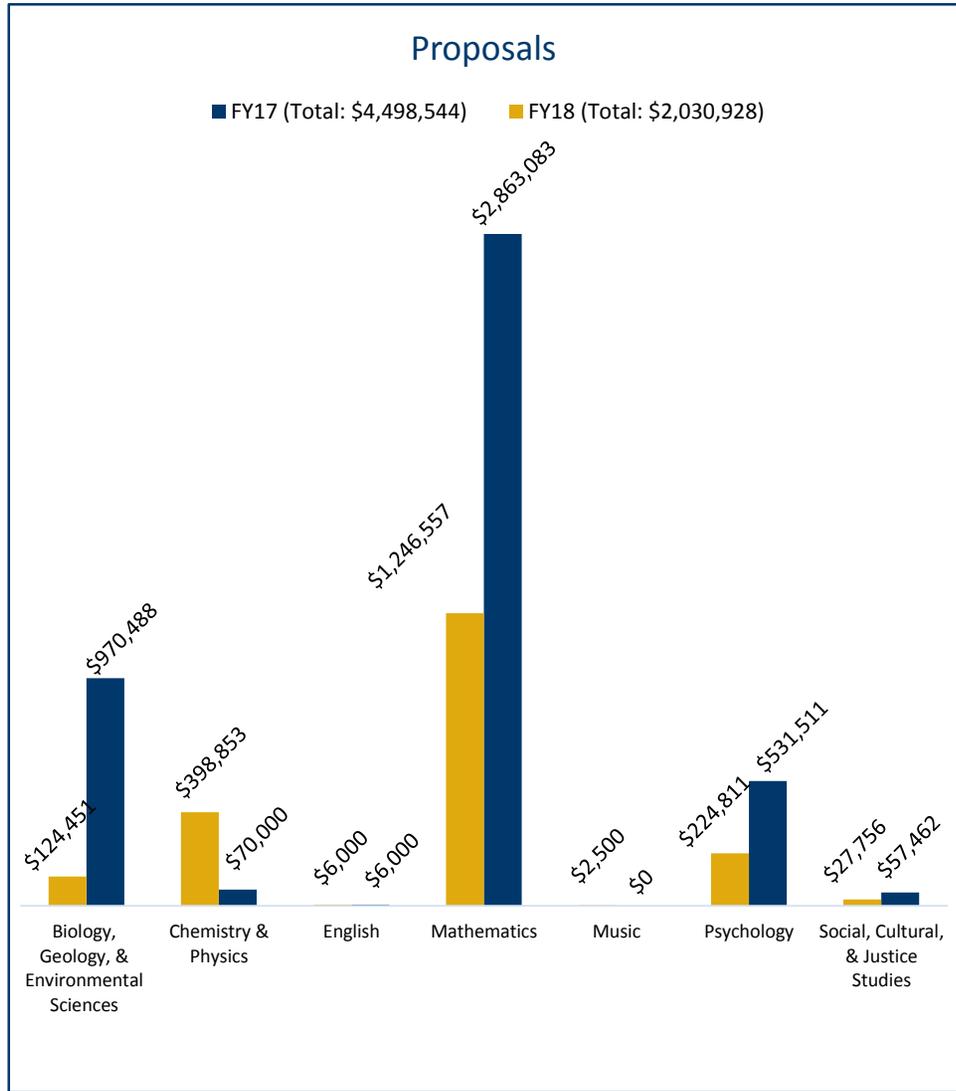
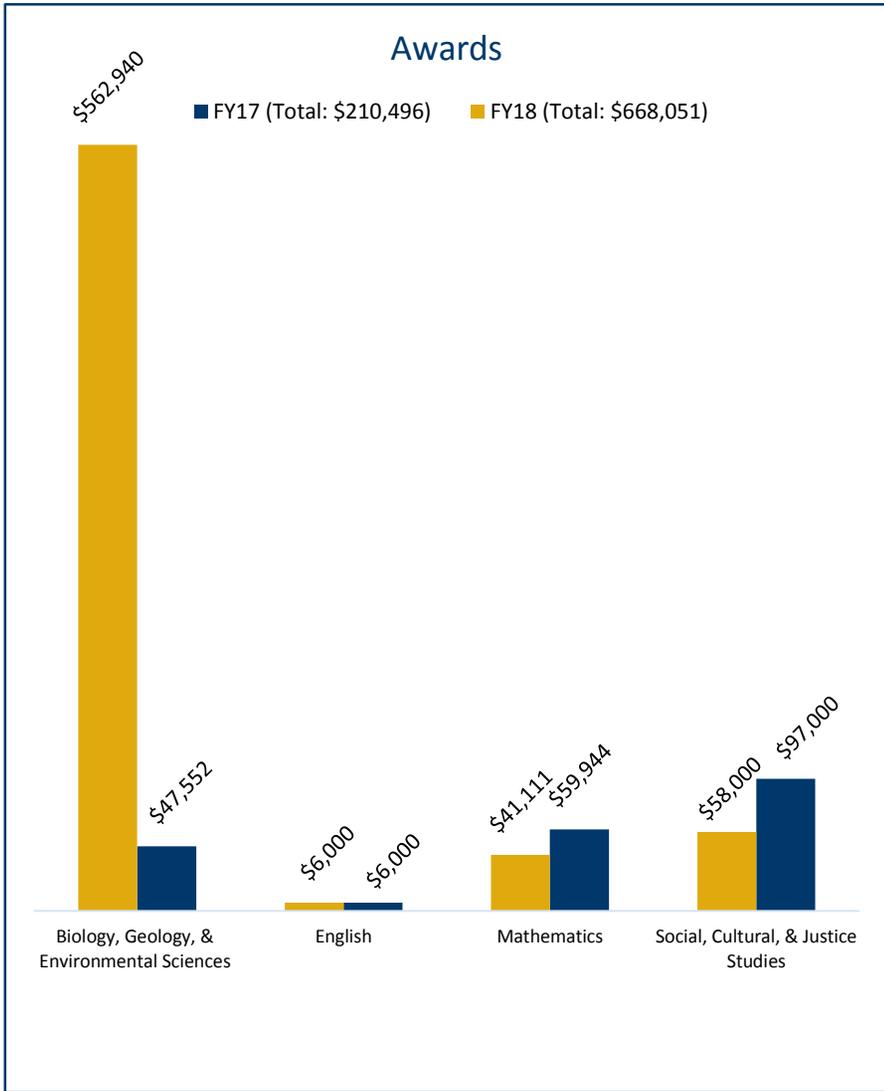
UTC SPONSORED PROGRAMS – AWARDS FY17/FY18 COMPARISON



UTC SPONSORED PROGRAMS – PROPOSALS FY17/FY18 COMPARISON



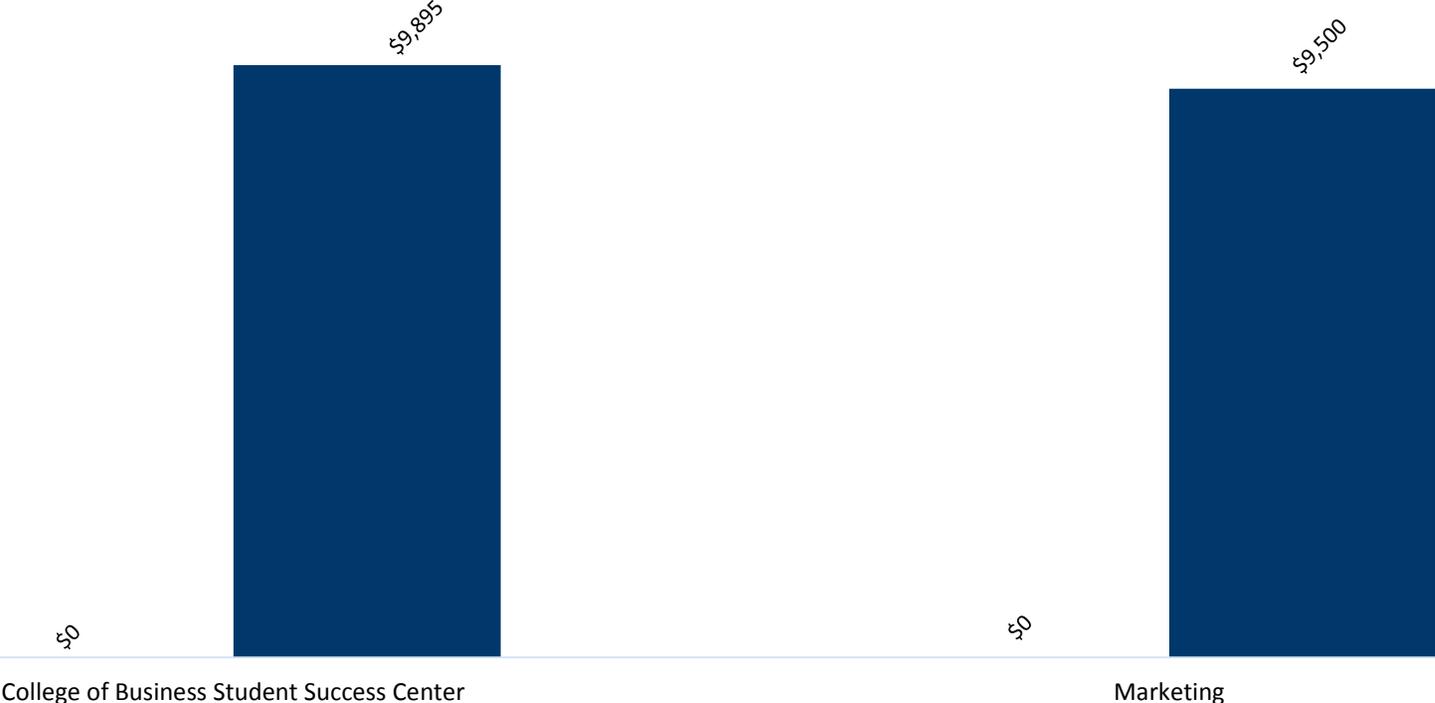
COLLEGE OF ARTS & SCIENCES – AWARDS & PROPOSALS FY17/FY18 COMPARISON



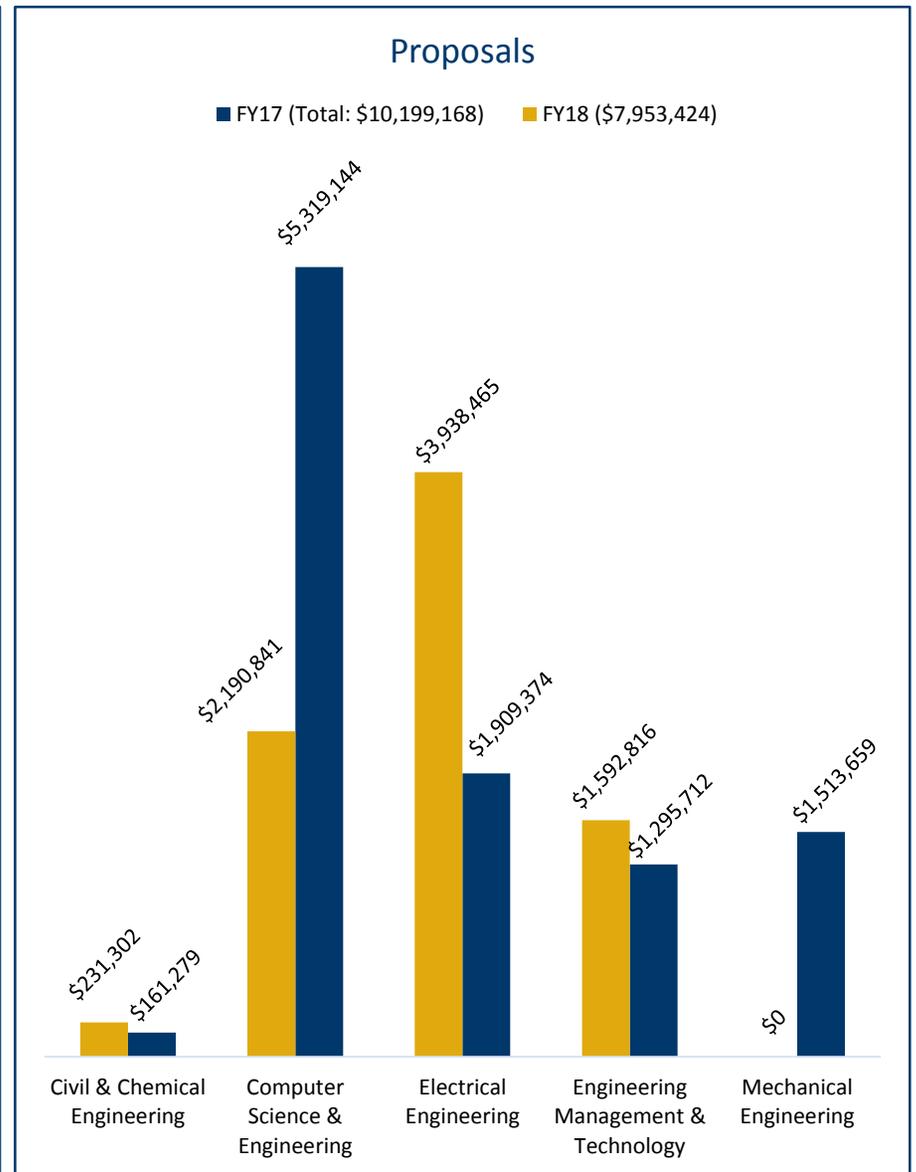
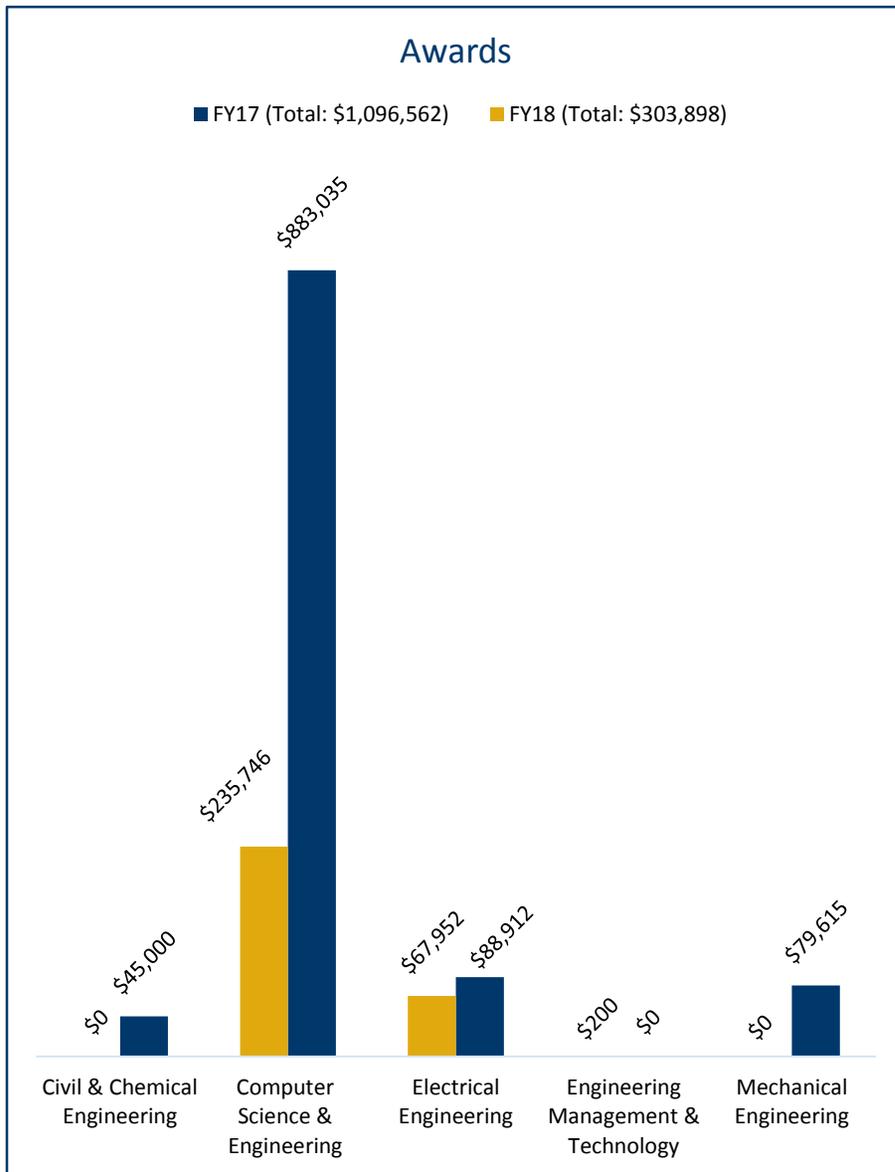
COLLEGE OF BUSINESS –PROPOSALS FY17/FY18 COMPARISON

Proposals

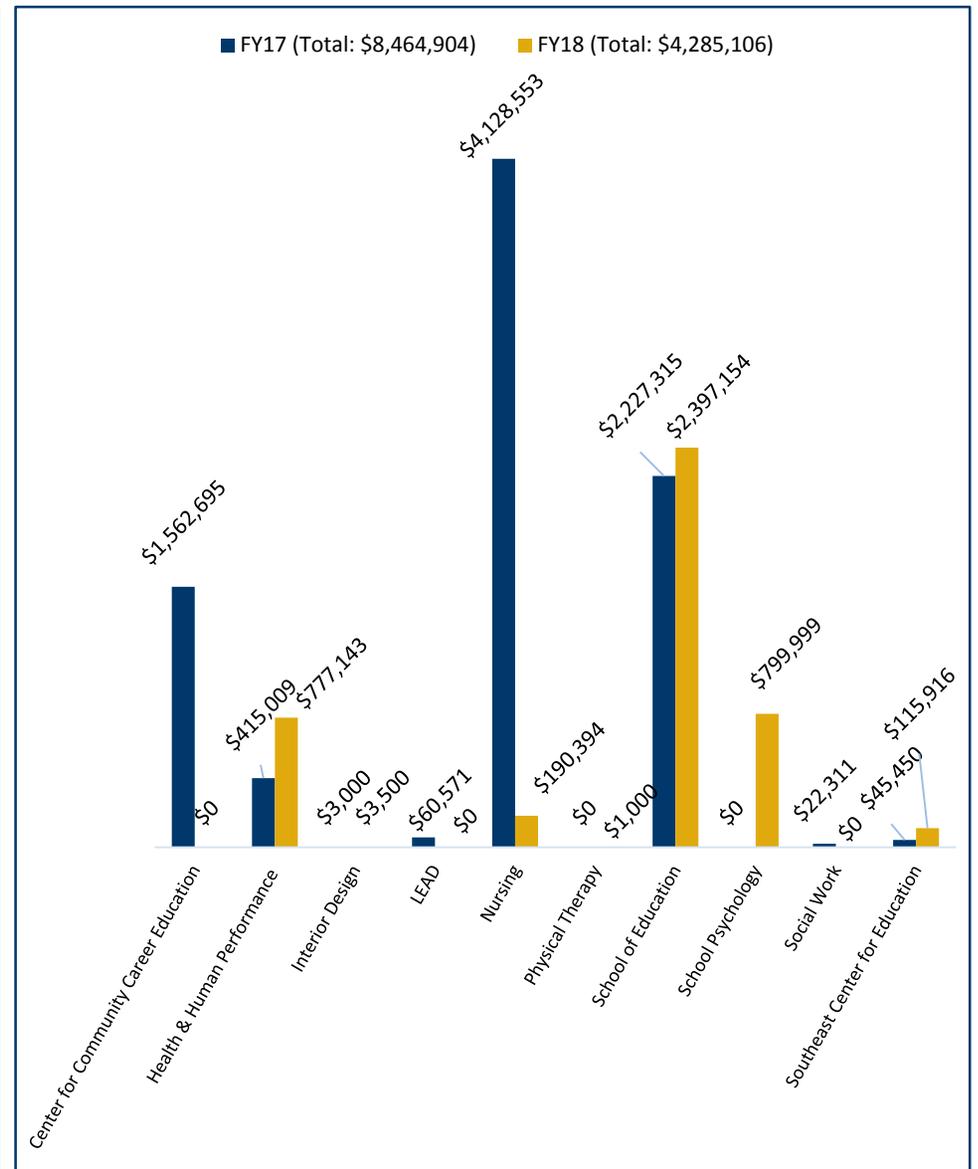
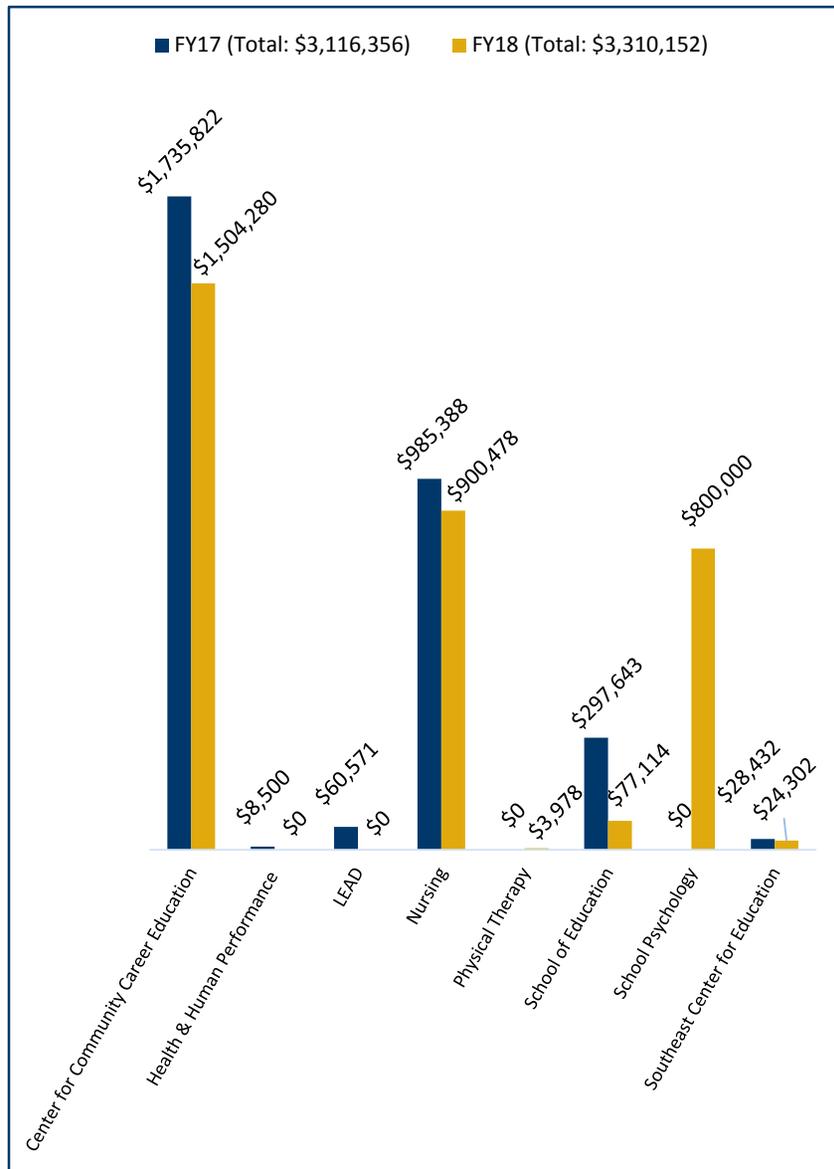
FY17 (Total: \$19,395) FY18 (Total: \$0)



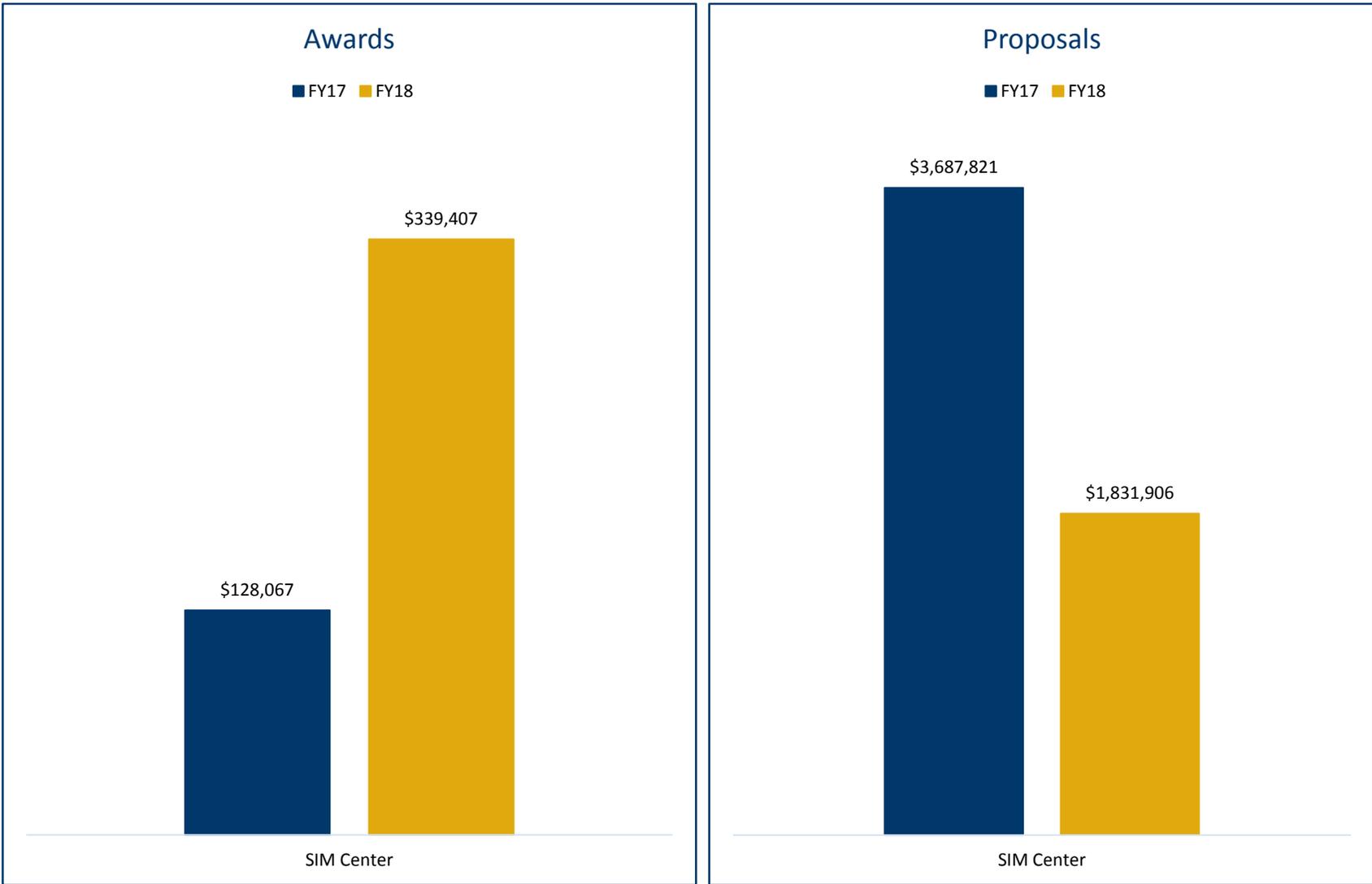
COLLEGE OF ENGINEERING & COMPUTER SCIENCE – AWARDS & PROPOSALS FY17/FY18 COMPARISON



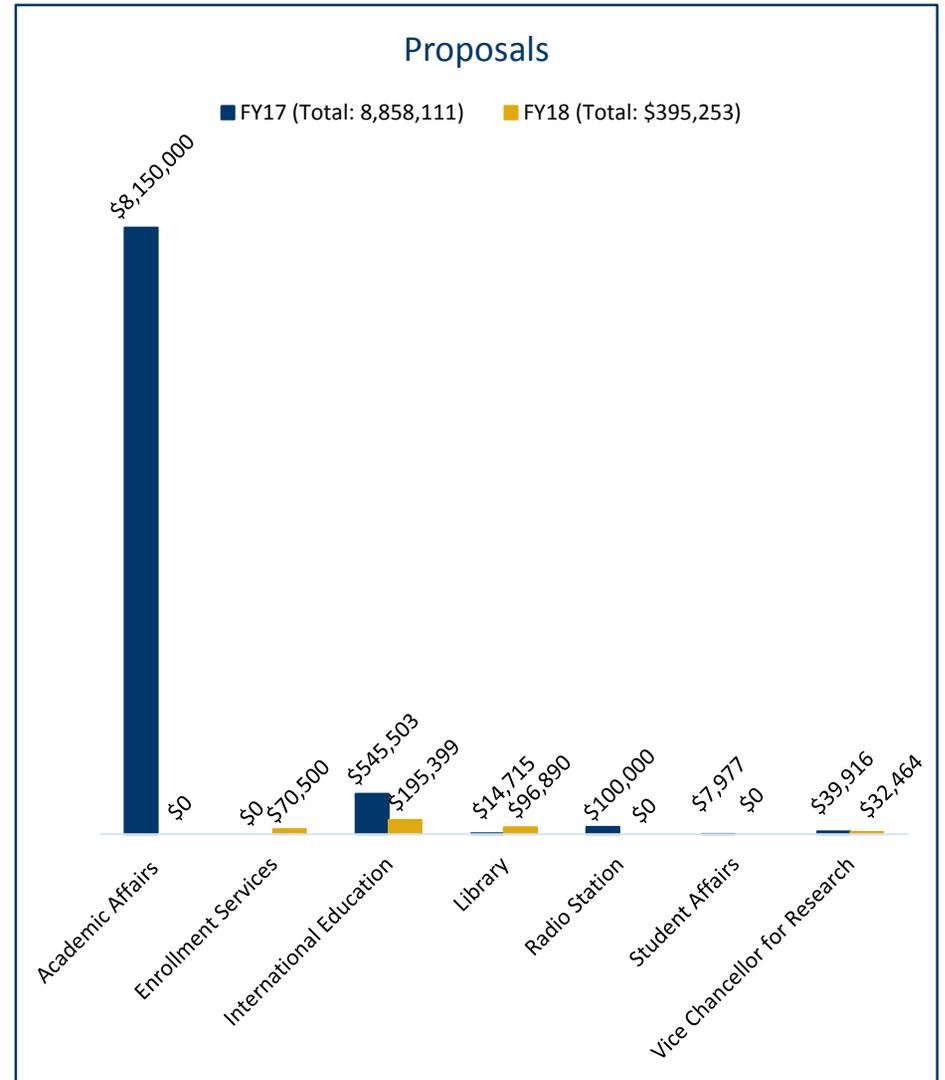
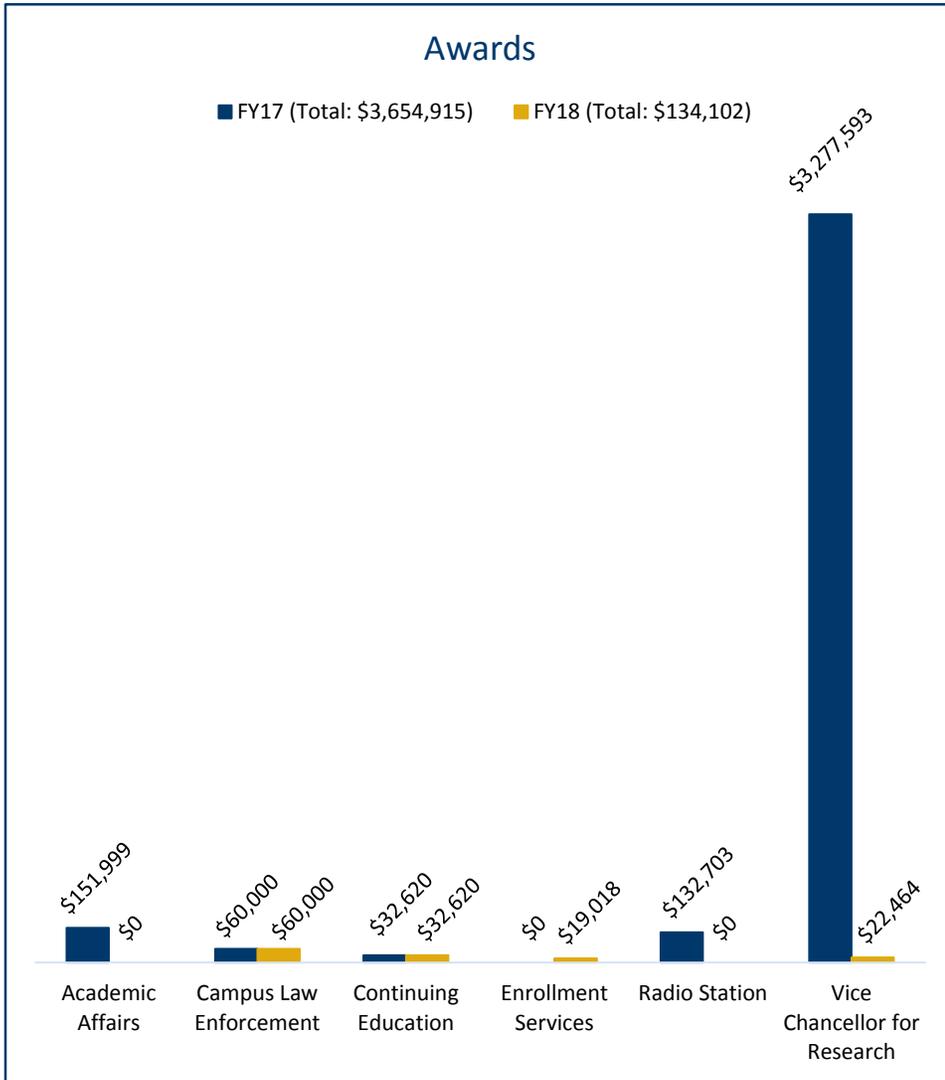
COLLEGE OF HEALTH, EDUCATION, & PROFESSIONAL STUDIES –AWARDS & PROPOSALS FY17/FY18 COMPARISON



SIM CENTER –AWARDS & PROPOSALS FY17/FY18 COMPARISON



ADMINISTRATIVE UNITS – AWARDS & PROPOSALS FY17/FY18 COMPARISON



FY18 – LISTING OF Q2 AWARDS

LEAD PI/PD	FUNDER	TITLE	AMOUNT
COLLEGE OF ARTS & SCIENCES			
BIOLOGY, GEOLOGY, & ENVIRONMENTAL SCIENCE			
Boyd, Jennifer	National Science Foundation	RUI: Collaborative Research: Reasons for Rarity? Exploring Acclimatory and Adaptive Constraints to Commonness	\$519,385
Craddock, Hill	The American Chestnut Fund	Conservation and Collection of Castanea dentata germplasm in the South	\$3,515
Spratt, Henry	Cumberland Trail Conference	Cumberland Trail Conference Connector Program	\$40,040
ENGLISH			
Noe, Marcia	Society for the Study of Midwestern Literature	Society for the Study of Midwestern Literature Journal Editing	\$6,000
MATHEMATICS			
Bao, Feng	National Science Foundation	RUI: Efficient Adaptive Backward SDE methods for Nonlinear Filtering Problems	\$41,111
SOCIOLOGY, ANTHROPOLOGY, AND GEOGRAPHY			
Guo, Zibin	US Department of Veteran's Affairs	Wheelchair Tai Chi Program Expansion	\$58,000
COLLEGE OF ENGINEERING AND COMPUTER SCIENCE			
COMPUTER SCIENCE & ENGINEERING			
Sartipi, Mina	Tennessee Valley Authority	TVA Power Billing Dashboard for Error Detection and Correction Project	\$24,500
Yang, Li	Prairie View A&M University	Capacity Building on Privacy Education through Curriculum Development	\$39,750
	Prairie View A&M University	Developing Innovative Privacy Learning Modules to Engage Students in Cybersecurity Education	\$21,598
	National Security Agency/Central Security Service	Developing Web Security Modules with Visualization and Hands-on Labs	\$149,898
ELECTRICAL ENGINEERING			

LEAD PI/PD	FUNDER	TITLE	AMOUNT
Eltom, Ahmed	Tennessee Valley Public Power Association	2017 Lab Demonstrations for Tennessee Valley Public Power Association	\$712
Loveless, Thomas	Nu-Trek, Inc	(1) Authorization to Proceed and (2) Period of Performance Extension for Radiation Hardened, Low Power, Variable Bandwidth/Resolution Sigma Delta Converters	\$55,000
	Vanderbilt University	Fundamental Research into Radiation Resiliency of Emerging Circuit Technologies Appropriate to the CWMD Mission	\$8,140
Pack, Daniel	<i>Confidential</i>		\$4,100
ENGINEERING MANAGEMENT & TECHNOLOGY			
Wang, Endong	Oak Ridge Associated Universities	Travel Funds for Collaborative Research	\$200
COLLEGE OF HEALTH, EDUCATION, & PROFESSIONAL STUDIES			
CENTER FOR COMMUNITY CAREER EDUCATION			
Boykin, Twyler	US Department of Education	Upward Bound Math & Science	\$263,938
Cole, Sandra	Tennessee Higher Education Commission	Each One Reach One	\$99,984
Gholston, Shirl	US Department of Education	Student Support Services FY16-FY21	\$300,620
Huckabay, Hunter	US Department of Education	GEAR UP in Hamilton County, TN 2011-2018	\$308,244
Lee, Belinda	US Department of Education	UTC Upward Bound Program	\$7,783
Long, Cynthia	US Department of Education	Southern Appalachian Educational Opportunity Center	\$277,711
Vann, Karen	US Department of Education	Talent Search	\$246,000
NURSING			
Hill, Linda	Health Resources and Services Administration	Nurse Anesthesia Traineeship Grant	\$21,067
Smith, Christine	Erlanger Health System	RN to BSN Gateway Program	\$190,394
	Health Resources and Services Administration	FNP CANDL: Clinical-Academic Network for Developing Leaders	\$689,017
PHYSICAL THERAPY			
Hanks, June	Tennessee Physical Therapy Association	Cross-Cultural Adaptability Study (US-DPT and Haitian PT students)	\$1,000

LEAD PI/PD	FUNDER	TITLE	AMOUNT
Levine, David	Goodhew	Effectiveness of Sockwell Compression Socks: A White Paper on Vascular Effects	\$2,978
SCHOOL OF EDUCATION			
Ellington, Lucien	Charles Koch Foundation	2017-2018 Center for Reflective Citizenship Programs	\$75,214
McAllister, Deborah	National Aeronautics and Space Administration	GLOBE Aerosols for Elementary Pre-service Teachers	\$1,900
SCHOOL PSYCHOLOGY			
Guess, Pamela	Tennessee Department of Education	School Psychology Intern Program	\$800,000
SOUTHEAST CENTER FOR EDUCATION			
Melnik, Laurie	Tennessee Arts Commission	Arts Learning Lab	\$8,000
	Hunter Museum of American Art	Art of Balance and Diagnosis	\$11,000
	Shelby County Schools	Arts Integration Workshops at Sherwood Elementary School, Memphis TN	\$5,302
SIM CENTER			
Newman, James	The National Institute of Aerospace Associates	Revolutionary Computational Aerosciences (RCA) Institute Support: Visitors and Faculty Engagement	\$14,948
	Pointwise Inc.	High Fidelity Mesh and Geometry Tools	\$24,976
Skjellum, Anthony	National Science Foundation	SHF: Small: Collaborative Research: Coupling Computation and Communication in FPGA-Enhanced Clouds and Clusters	\$186,192
	National Science Foundation	Heterogeneous HPC for High-order Stabilized Finite-elements on Moving and Deforming Domains	\$60,949
Webster, Robert	Engility Corporation	Collaborative Research: CICI: Regional: SouthEast SciEntific Cybersecurity for University Research (SouthEast SECURE)	\$52,342
ADMINISTRATIVE UNITS			
CAMPUS LAW ENFORCEMENT			
Hamilton, Craig	Tennessee Office of Criminal Justice Programs	Making our Campus Safer (MOCS)	\$60,000
CONTINUING EDUCATION			

LEAD PI/PD	FUNDER	TITLE	AMOUNT
Freeze, John	University of Tennessee - Institute of Public Service	Southeastern Command and Leadership Academy (SECLA)	\$32,620
ENROLLMENT SERVICES			
Freeman, Yancy	Tennessee Higher Education Commission	UTC Veteran Reconnect	\$19,018
VICE CHANCELLOR FOR RESEARCH			
Carroll, Andrew	Mainspring Conservation Trust	Mainspring Conservation Trust – Application Development	\$22,214
Mix, Charles	Enterprise Center	East Lake Walk Sheds	\$250
Total Proposed Funding			\$4,755,610

FY18 - LISTING OF Q2 PROPOSALS

LEAD PI/PD	FUNDER	TITLE	AMOUNT
COLLEGE OF ARTS & SCIENCES			
BIOLOGY, GEOLOGY, & ENVIRONMENTAL SCIENCE			
Craddock, Hill	The American Chestnut Foundation	Conservation and Collection of Castanea dentata germplasm in the South	\$3,515
Hossain, Azad	University of Mississippi	GRACE Water Storage Study	\$46,171
	US Geological Survey TN Water Research Center	PRELIMINARY PROPOSAL - Remote Sensing of Water Quality	\$0
Shaw, Joey	National Science Foundation	Repair, digitization, and integration of the Southern Adventist University herbarium into the University of Tennessee at Chattanooga herbarium	\$34,725
Spratt, Henry	Cumberland Trail Conference	Year 2: Cumberland Trail Conference Connector Program	\$40,040
CHEMISTRY & PHYSICS			
Park, Han Jung	National Science Foundation	UTC Spain REU	\$398,853
ENGLISH			

LEAD PI/PD	FUNDER	TITLE	AMOUNT
Noe, Marcia	Society for the Study of Midwestern Literature	Society for the Study of Midwestern Literature Journal Editing	\$6,000
MATHEMATICS			
Bao, Feng	Oak Ridge National Laboratory	ORNL_SciDAC	\$208,706
Kong, Lingju	National Science Foundation	Degenerate Elliptic Problems with Variable Exponents	\$415,522
Ledoan, Andrew	National Science Foundation	REU Site: Number Theory, Dynamical Systems and Applications	\$283,831
Wang, Jin	Old Dominion University	Mathematical modeling of cholera dynamics	\$40,480
	National Science Foundation	Mathematical modeling of waterborne infections	\$298,018
MUSIC			
Tejero, Nikolasa	Tennessee Arts Commission	Celebrating African American History Month Through Music and Literature: An Interdisciplinary Concert	\$2,500
PSYCHOLOGY			
Ferrier, David	Foundation for Child Development	In Loco Parentis: The Impact of Teachers and School Contexts in Socializing Social-Emotional Competence and Self-Regulatory Abilities in Early Childhood	\$224,811
SOCIOLOGY, ANTHROPOLOGY, GEOGRAPHY			
Honerkamp, Nicholas	Plantation Point Homeowners Association	Archaeology at Hampton Point Plantation	\$27,756
COLLEGE OF ENGINEERING AND COMPUTER SCIENCE			
CIVIL & CHEMICAL ENGINEERING			
Fomunung, Ignatius	Tennessee Highway Safety Office	Effectiveness of HOV Lanes as a Congestion Relief and Air Quality Reduction Tool	\$199,939
Wu, Weidong	Tennessee Board of Architectural and Engineering Examiners	TBAEE Laboratory Equipment Grant for Civil Engineering	\$28,863
	Structural Engineers Foundation	Developing Matlab Apps for Interactively Teaching and Learning Design of Reinforced Concrete Structure	\$2,500
COMPUTER SCIENCE & ENGINEERING			
Kandah, Farah	National Science Foundation	SaTC: CORE: Small: RUI: vMAP: Mapping Autonomous Vehicle Authentication/Trust Building in Real-time over a Dynamic Adaptive Network	\$491,866
Kizza, Joseph	National Science Foundation	RET Site in Computer Science and Engineering: Cybersecurity Education for All - Developing a Broad-based Cyber Defense Workforce for the 21st Century	\$595,267

LEAD PI/PD	FUNDER	TITLE	AMOUNT
McCullough, Claire	National Science Foundation	STEM Inspire, Communicate, Educate (ICE)	\$356,567
Qin, Hong	National Science Foundation	REU Site: ICompBio - Engaging Undergraduates in Interdisciplinary Computing for Biological Research	\$359,484
	Norfolk State University	Stress and filamentous yeast	\$92,604
Sartipi, Mina	Sony USA Foundation Inc	Millimeter Wave Communications for Enhanced Vehicle Connectivity	\$145,155
Yang, Li	National Security Agency Central Security Service	Developing Web Security Modules with Visualization and Hands-on Labs	\$149,898
ELECTRICAL ENGINEERING			
Eltom, Ahmed	Tennessee Valley Public Power Association	2017 Lab Demonstrations for Tennessee Valley Public Power Association	\$711
Loveless, Thomas	National Science Foundation	CAREER: Maximizing Performance and Reliability of Advanced Electronics Technologies through Stochastic Modeling	\$500,000
	National Science Foundation	REU Site: An Interdisciplinary CubeSat Research and STEM Education Platform at the University of Tennessee at Chattanooga (UTChattSat)	\$359,783
	Vanderbilt University	Amend. No. 1 to Fundamental Research into Radiation Resiliency of Emerging Circuit Technologies Appropriate to CWMD Mission	\$8,140
Pack, Daniel	<i>Confidential</i>		\$4,100
Reising, Donald	Defense Advanced Research Project Agency	Radio identification from unbiased deep learning models (RIFUDLM)	\$2,762,747
ENGINEERING MANAGEMENT & TECHNOLOGY			
Alp, Neslihan	National Science Foundation	Real-world Additive Manufacturing Projects for Underrepresented Participants (RAMP UP)	\$1,005,619
	National Science Foundation	2+2 MET: Developing an Industry-Responsive Mechatronics AAS to BAS Pipeline for Engineering Technicians	\$586,997
Mohammed, Abderlrahman	National Science Foundation	Improving the Performance and Implementation of the P-Index voltage Stability Indicator	\$302,984
Wang, Endong	Oak Ridge Associated Universities	Travel Funds for Collaborative Research	\$200
COLLEGE OF HEALTH, EDUCATION, & PROFESSIONAL STUDIES			
HEALTH AND HUMAN PERFORMANCE			
Howard-Baptiste, Shewanee	Tennessee Department of Health	Preliminary Proposal - D.A.N.C.E.	\$79,111
Wilkerson, Gary	National Institutes of Health	A New Paradigm for Sport Injury Prevention and Reduction of Risk for Disability	\$417,798
	Department of Defense	Preliminary Proposal: Optimization of Neuromechanical Responsiveness	\$0

LEAD PI/PD	FUNDER	TITLE	AMOUNT
	International Olympic Committee Medical and Scientific Commission	Neuromechanical Responsiveness Testing and Training	\$99,546
	University of Arizona	Head Trauma: Measuring the Relation Between Cognitive Processes and Neuromechanical Function after Sports-Related Concussion	\$180,688
INTERIOR DESIGN			
Kendall, Catherine	Tennessee Board of Architectural and Engineering Examiners	Professional Student Exam Fees and Computer Grant F2017	\$3,500
NURSING			
Smith, Christine	Erlanger Health System	Increasing the RN to BSN Enrollment in the Gateway Program 2017-19	\$190,394
PHYSICAL THERAPY			
Hanks, June	Tennessee Physical Therapy Association	Cross-Cultural Adaptability Study (US-DPT and Haitian PT students)	\$1,000
SCHOOL OF EDUCATION			
Cowan, Kay	Tennessee Higher Education Commission	American and World History: Critical Turning Points	\$74,994
Ellis, Jennifer	National Science Foundation	Track 1: UTChattanooga STEM Education Noyce Scholarship Program	\$1,447,293
	IUSE	STEM-powering State of Tennessee Education Majors (STEM2) Open Collaboratory	\$49,855
McAllister, Deborah	Vanderbilt University	Elementary and Middle Grades STEM	\$33,861
	Tennessee Higher Education Commission	Using Technology to Support Geography Content and Social Studies Practices	\$74,994
Murley, Renee	Tennessee Department of Education	Tennessee Innovation in Preparation Grant	\$47,214
	Tennessee Department of Education	Governor's School 2017-18	\$60,571
Pratt, Allen	Mississippi State University	National Research and Development Center - Improving Rural Education in the Deep South, Appalachia, and the Montana Frontier	\$608,372
SCHOOL PSYCHOLOGY			
Guess, Pamela	Tennessee Department of Education	School Psychology Intern Program	\$799,999
SOUTHEAST CENTER FOR EDUCATION			
Melnik, Laurie	Shelby County Schools	2017 Arts Integration Workshops at Sherwood Elementary School, Memphis TN	\$5,302
	Hunter Museum of American Art	Art of Balance and Diagnosis	\$11,000
	Caplan Foundation for Early Childhood	Preliminary Proposal - MOCS BLOCS	\$99,614
SIM CENTER			

LEAD PI/PD	FUNDER	TITLE	AMOUNT
Qin, Hong	National Science Foundation	Spokes: MEDIUM: SOUTH: Collaborative: Integrating Biological Big Data Research into Student Training and Education	\$549,885
Skjellum, Anthony	National Science Foundation	SHF: Small: Collaborative Research: Coupling Computation and Communication in FPGA-Enhanced Clouds and Clusters	\$186,192
		SaTC: CORE: Small: Collaborative: An Holistic Framework for Securing CPS/IoT Infrastructure	\$186,662
		Collaborative Research: CICI: Regional: SouthEast SciEntific Cybersecurity for University Research (SouthEast SECURE)	\$60,949
		SHF-Small: Collaborative Research: In-Situ Analytics for Petascale and Exascale Applications	\$227,432
		CICI: Data Provenance: Collaborative Research: Provenance Assurance Using Currency Primitives	\$195,388
		SHF-Small: Collaborative Research: Transforming MPI Applications for Scalability and Fault-Tolerance	\$235,432
		SaTC: CORE: Small: Collaborative: Compiler-Assisted Secure Sensor Networks	\$173,966
		REU Supplement for CICI Grant -SeSecure	\$16,000
ADMINISTRATIVE UNITS			
ENROLLMENT SERVICES			
Freeman, Yancy	Tennessee Higher Education Commission	UTC Summer Bridge Experience	\$70,500
INTERNATIONAL EDUCATION			
Suzuki, Takeo	US Department of State	Social Entrepreneurship SUSI Institute	\$195,399
LIBRARY			
Runyon, Carolyn	National Historical Publications and Records Commission	Opening Access: Building Finding Aids for the Chattanooga History Collections	\$96,890
VICE CHANCELLOR FOR RESEARCH			
Carroll, Andrew	Mainspring Conservation Trust	Mainspring Conservation Trust - Application Development	\$22,214
	Lyndhurst Foundation	GreenSpaces Mapping Support	\$10,000
Heath, Gregory	University of California, San Diego	Learning from the Lancet - ODV+	\$0
Mix, Charles	Enterprise Center	East Lake Walk Sheds	\$250
Total Proposed Funding			\$16,496,617

UTC OFFICE OF RESEARCH & SPONSORED PROGRAMS



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

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

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

Todd Doman
Grants & Research Development Specialist
(423) 425-5868
todd-doman@utc.edu

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

Abbie Tilley
Grants Specialist
(423) 425-5968
Abbie-Tilley@utc.edu

Terri Bearbower
Research Office Manager
(423)425-1743
terri-bearbower@utc.edu