

Monthly Proposals Report for April 2018
Office of Grants and Contracts, University of North Texas

Proposals Total by College	April 2017		April 2018		YTD FY2017		YTD FY2018	
College of Arts and Sciences	\$	2,064,120	\$	-	\$	71,522,130	\$	-
College of Business	\$	528,588	\$	-	\$	2,296,134	\$	771,441
College of Education	\$	5,871,827	\$	161,200	\$	11,587,261	\$	6,394,092
College of Engineering	\$	1,100,897	\$	2,992,767	\$	59,693,728	\$	76,207,839
College of Health & Public Service (prev. PACS)	\$	2,924,437	\$	312,638	\$	5,509,223	\$	2,989,831
College of Information	\$	-	\$	-	\$	3,955,228	\$	5,152,547
College of Liberal Arts & Social Sciences	\$	-	\$	847,270	\$	-	\$	17,250,296
College of Merchandising Hospitality and Tourism	\$	25,000	\$	-	\$	647,032	\$	133,033
College of Music	\$	-	\$	-	\$	20,001	\$	74,485
College of Science	\$	-	\$	1,520,281	\$	-	\$	34,841,342
College of Visual Arts and Design	\$	-	\$	-	\$	-	\$	217,000
School of Journalism	\$	-	\$	-	\$	\$156,188	\$	94,938
Other ¹	\$	1,646,702	\$	22,736	\$	\$6,039,617	\$	1,428,449
Grand Total:		\$14,161,570		\$5,856,891		\$161,426,543		\$145,555,293

Proposals Total by Category

Instruction	\$	5,513,727	\$	-	\$	8,489,668	\$	2,306,350
Public Service	\$	3,138,272	\$	5,355,253	\$	8,389,036	\$	4,120,884
Research (Applied, Basic, Development)	\$	5,371,571	\$	284,870	\$	143,538,564	\$	138,784,813
Other ²	\$	138,000	\$	216,768	\$	1,009,275	\$	343,246
Grand Total:		\$14,161,570		\$5,856,891		\$161,426,543		\$145,555,293

Proposals Total by Source of Funding

Federal	\$	11,563,349	\$	4,111,744	\$	132,411,869	\$	133,389,172
Private	\$	1,303,831	\$	1,412,077	\$	14,959,069	\$	10,213,604
State	\$	1,294,390	\$	333,070	\$	14,055,604	\$	1,952,517
Grand Total:		\$14,161,570		\$5,856,891		\$161,426,543		\$145,555,293

Notes:

1 Other includes UNT Libraries, Office of the Provost and Vice President of Academic Affairs, Enrollment Management, Dean of Students, Director Risk Management, Honors College, and Outreach & Community Involvement

2 Other includes Career, Conference, Equipment, Fellowship, Infrastructure/Facilities, Student Support, Travel, and Training

Special Note:

In detailed proposal data, PI is the Cayuse SP named Lead Principal Investigator and Co-PI is any Cayuse SP named Principal Investigator. Recognition in the detailed proposal data is distributed from the Allocation of Credit as entered in Cayuse SP.

Proposals, April FY2018

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
UNT											
<i>College of Education</i>											
<i>Autism Center</i>											
Callahan, Kevin											
18-0391 Proposal: New	Adventures in Autism Intervention & Research Conference, UNT Gateway Center Denton, TX	Public Service	Texas Council for Developmental Disabilities - TCDD	Federal Flow Thru	PI	7/1/2017	0	31.50%	100%	\$8,400	Awarded
18-0392 Proposal: New	Adventures in Autism Intervention & Research Conference, UNT Gateway Center Denton, TX	Public Service	Texas Council for Developmental Disabilities - TCDD	Federal Flow Thru	PI	7/1/2018	0	31.50%	100%	\$8,400	Awarded
		Totals for	Callahan, Kevin							\$16,800	
		Totals for	Autism Center							\$16,800	
<i>Educational Psychology</i>											
Frosch, Cynthia											
18-0177 Proposal: New	The WECS: Validating a New Measure of Emotional Connection in Father-Infant Dyads and Home Visiting Contexts	Research - Applied	The Trustees of Columbia University in the City of New York	Research Institution	PI	5/14/2018	1	10.00%	100%	\$100,000	Pending
		Totals for	Frosch, Cynthia							\$100,000	
		Totals for	Educational Psychology							\$100,000	
<i>Kinesiology, Health Promotion, & Recreation</i>											
Bowman, Erin											
<i>Bowman, E. , Co-PI; McFarlin, B. , PI; Kinesiology, Health Promotion, & Recreation; McFarlin, B. , Co-PI; Biological Sciences</i>											
18-0428 Proposal: Supplement	Testing Efficacy of UA Recovery Shorts Following EIMD	Research - Basic	Under Armour, Inc.	Industry	Co-PI	10/1/2015	4.16	12.00%	25%	\$12,000	Pending
		Totals for	Bowman, Erin							\$12,000	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
McFarlin, Brian											
<i>McFarlin, B. , PI; Bowman, E. , Co-PI; Kinesiology, Health Promotion, & Recreation; McFarlin, B. , Co-PI; Biological Sciences</i>											
18-0428 Proposal: Supplement	Testing Efficacy of UA Recovery Shorts Following EIMD	Research - Basic	Under Armour, Inc.	Industry	PI	10/1/2015	4.16	12.00%	67.5%	\$32,400	Pending
		Totals for	McFarlin, Brian							\$32,400	
		Totals for	Kinesiology, Health Promotion, & Recreation							\$44,400	
		Totals for	College of Education							\$161,200	
College of Engineering											
Biomedical Engineering											
Zhu, Donghui											
18-0342 Proposal: New	Novel Zn-based biodegradable porous scaffolds for orthopedic applications	Fellowship	National Institutes of Health - NIH	Federal	PI	9/1/2018	4.91	0.00%	100%	\$192,331	Pending
		Totals for	Zhu, Donghui							\$192,331	
		Totals for	Biomedical Engineering							\$192,331	
Computer Science & Engineering											
Blanco Villar, Eduardo											
18-0411 Proposal: New	NLP for Medication Adherence: Complex Semantics and Negation	Research - Basic	University of Texas Health Science Center at Houston	Not for Profit Flow Thru	PI	1/15/2019	3	40.00%	100%	\$243,561	Pending
		Totals for	Blanco Villar, Eduardo							\$243,561	
Buckles, Bill											
<i>Buckles, B. , PI; Huang, Y. , Co-PI; Computer Science & Engineering; Namuduri, K. , Co-PI; Electrical Engineering</i>											
18-0387 Proposal: New	Topic 2, University of North Texas - FHWA 2018 EAR BAA	Research - Applied	Federal Highway Administration - FHWA	Federal	PI	9/1/2018	1.91	48.50%	34%	\$254,797	Pending
		Totals for	Buckles, Bill							\$254,797	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Fu, Song											
18-0225 Proposal: New	Characterizing Flash Storage Failures (SSD, NVMe or Trinity Burst-buffer node/BBN)	Research - Development	Los Alamos National Laboratory - LANL	Federal Flow Thru	PI	5/1/2018	0.58	48.50%	100%	\$40,000	Pending
			Totals for	Fu, Song						\$40,000	
Huang, Yan											
<i>Huang, Y. , Co-PI; Buckles, B. , PI; Computer Science & Engineering; Namuduri, K. , Co-PI; Electrical Engineering</i>											
18-0387 Proposal: New	Topic 2, University of North Texas - FHWA 2018 EAR BAA	Research - Applied	Federal Highway Administration - FHWA	Federal	Co-PI	9/1/2018	1.91	48.50%	33%	\$247,303	Pending
			Totals for	Huang, Yan						\$247,303	
Nielsen, Rodney											
18-0380 Proposal: New	Development of a novel algorithm to quantify visuomotor integration abilities and their relationship to clinical symptoms in Autism Spectrum Disorder	Research - Development	University of North Texas Health Science at Forth Worth	Not for Profit Flow Thru	PI	1/15/2019	2	0.00%	100%	\$52,471	Pending
			Totals for	Nielsen, Rodney						\$52,471	
			Totals for	Computer Science & Engineering						\$838,132	
Electrical Engineering											
Namuduri, Kameswara Rao											
18-0279 Proposal: New	A Smart Communications System for Assisting First Responders	Research - Applied	Binational Industrial Research and Development (BIRD) Foundation	Not for Profit	PI	7/1/2018	1.41	12.42%	100%	\$599,999	Pending
<i>Namuduri, K. , Co-PI; Electrical Engineering; Buckles, B. , PI; Huang, Y. , Co-PI; Computer Science & Engineering</i>											
18-0387 Proposal: New	Topic 2, University of North Texas - FHWA 2018 EAR BAA	Research - Applied	Federal Highway Administration - FHWA	Federal	Co-PI	9/1/2018	1.91	48.50%	33%	\$247,303	Pending
			Totals for	Namuduri, Kameswara Rao						\$847,302	
			Totals for	Electrical Engineering						\$847,302	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Engineering Technology											
Yu, Cheng											
18-0402 Proposal: New	Synthesis of Precast Column Designs for Texas Bridges	Research - Applied	Texas Department of Transportation	State of TX	PI	9/1/2018	0.91	48.50%	100%	\$65,000	Pending
		Totals for	Yu, Cheng							\$65,000	
		Totals for	Engineering Technology							\$65,000	
Materials Science & Engineering											
Berman, Diana											
18-0275 Proposal: New	Solution-induced growth of multicomponent nanoporous metal oxides	Research - Basic	U.S. Department of Energy - DOE	Federal	PI	9/1/2018	4.91	48.50%	100%	\$750,001	Pending
		Totals for	Berman, Diana							\$750,001	
Choi, Wonbong											
<i>Choi, W. , PI; Materials Science & Engineering; Choi, W. , Co-PI; Mechanical & Energy Engineering</i>											
18-0390 Proposal: New	Integrated Flexible Energy System based on Two-Dimensional (2D) Materials	Research - Basic	Air Force Office of Scientific Research - AFOSR	Federal	PI	6/1/2018	2.91	48.50%	80%	\$240,000	Pending
		Totals for	Choi, Wonbong							\$240,000	
		Totals for	Materials Science & Engineering							\$990,001	
Mechanical & Energy Engineering											
Choi, Wonbong											
<i>Choi, W. , Co-PI; Mechanical & Energy Engineering; Choi, W. , PI; Materials Science & Engineering</i>											
18-0390 Proposal: New	Integrated Flexible Energy System based on Two-Dimensional (2D) Materials	Research - Basic	Air Force Office of Scientific Research - AFOSR	Federal	Co-PI	6/1/2018	2.91	48.50%	20%	\$60,000	Pending
		Totals for	Choi, Wonbong							\$60,000	
		Totals for	Mechanical & Energy Engineering							\$60,000	
		Totals for	College of Engineering							\$2,992,767	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
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College of Health & Public Service

Behavior Analysis

Smith, Richard

18-0413 Proposal: New	BARC DSSLC	Public Service	Texas Health and Human Services Commission	State of TX	PI	9/1/2018	0.91	26.00%	100%	\$268,070	Pending
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Totals for **Smith, Richard** \$268,070

Totals for **Behavior Analysis** \$268,070

Disability & Addiction Rehabilitation

Tu, Wei-Mo

18-0396 Proposal: New	The Interactive Effect of Psychological Capital and Contextual Factors on College Adjustment of College Students with Disabilities	Research - Basic	Spencer Foundation	Foundation	PI	10/1/2018	0.91	0.00%	100%	\$44,568	Pending
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Totals for **Tu, Wei-Mo** \$44,568

Totals for **Disability & Addiction Rehabilitation** \$44,568

Totals for **College of Health & Public Service** \$312,638

College of Liberal Arts & Social Sciences

Economics

Leonard, Tammy

18-0395 Proposal: New	Race & Wealth Accumulation	Research - Basic	Peter G. Peterson Foundation	Not for Profit	PI	5/4/2018	1	15.00%	100%	\$49,986	Pending
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Totals for **Leonard, Tammy** \$49,986

Totals for **Economics** \$49,986

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<i>Philosophy & Religion Studies</i>											
Briggle, Adam											
18-0420 Proposal: New	Workshop on Assessing Ethics Education Interventions in Science and Engineering	Research - Development	New Jersey Institute of Technology - NJIT	Federal Flow Thru	PI	12/1/2018	0.91	48.50%	100%	\$4,552	Pending
			Totals for	Briggle, Adam						\$4,552	
			Totals for	Philosophy & Religion Studies						\$4,552	
<i>Political Science</i>											
Breuning, Marijke											
<i>Breuning, M. , Co-PI; Ishiyama, J. , PI; Political Science</i>											
18-0421 Proposal: New	Rethinking the Political Science Major: A Conference Proposal	Conference	The American Political Science Association	Not for Profit	Co-PI	5/16/2019	0.5	0.00%	0%	\$0	Pending
			Totals for	Breuning, Marijke						\$0	
Ishiyama, John											
<i>Ishiyama, J. , PI; Breuning, M. , Co-PI; Political Science</i>											
18-0421 Proposal: New	Rethinking the Political Science Major: A Conference Proposal	Conference	The American Political Science Association	Not for Profit	PI	5/16/2019	0.5	0.00%	100%	\$24,437	Pending
			Totals for	Ishiyama, John						\$24,437	
King, Kimi											
<i>King, K. , Co-PI; Political Science; Verbeck, G. , PI; Chemistry</i>											
18-0347 Proposal: New	Non-Invasive Analysis of the Exosome for Intelligence/Forensic Applications	Research - Applied	National Institute of Justice - NIJ	Federal	Co-PI	9/1/2019	0.91	48.50%	50%	\$182,221	Pending
<i>King, K. , Co-PI; Political Science; Verbeck, G. , PI; Chemistry</i>											
18-0348 Proposal: Resubmissio	Using Membrane Inlet Mass Spectrometry to Create an Earth Based Separations Model to Better Locate Clandestine Drug Labs and Developing Lawful Protocols to Implement the	Research - Applied	National Institute of Justice - NIJ	Federal	Co-PI	9/1/2018	2.91	48.50%	50%	\$316,357	Pending
			Totals for	King, Kimi						\$498,578	
			Totals for	Political Science						\$523,015	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Psychology											
Riggs, Shelley											
18-0361 Proposal: New	Veteran Parenting Program	Research - Basic	U.S. Department of Veterans Affairs	Federal	PI	6/1/2018	1.91	0.00%	100%	\$42,990	Pending
		Totals for	Riggs, Shelley							\$42,990	
Taylor, Daniel											
18-0389 Proposal: New	Feasibility and Efficacy of Web-based Delivery of Cognitive Behavioral Therapy for Insomnia (CBT-I) for Dementia Caregivers in Rural Communities	Research - Applied	University of Missouri-Columbia	Federal Flow Thru	PI	1/1/2019	4.91	48.50%	100%	\$201,728	Pending
		Totals for	Taylor, Daniel							\$201,728	
		Totals for	Psychology							\$244,718	
Technical Communication											
Lam, Christopher											
18-0286 Proposal: New	CCE STEM Standard:Evaluating Disciplinary Differences in Ethical Orientation in STEM: Foundations, Frameworks, and Function in Team Science	Research - Basic	University of Central Florida	Federal Flow Thru	PI	9/1/2018	2.91	48.50%	100%	\$25,000	Pending
		Totals for	Lam, Christopher							\$25,000	
		Totals for	Technical Communication							\$25,000	
		Totals for	College of Liberal Arts & Social Sciences							\$847,270	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<i>College of Sciences</i>											
<i>Biological Sciences</i>											
Alonso, Ana Paula											
18-0412 Proposal: New	Developing and characterizing soybean cultivars with increased oil while maintaining protein and yield	Research - Basic	The Ohio State University	Industry Flow Thru	PI	10/1/2018	0.91	0.00%	100%	\$126,320	Pending
		Totals for	Alonso, Ana Paula							\$126,320	
Chen, Fang											
<i>Chen, F. , Co-PI; Dixon, R. , PI; Biological Sciences</i>											
18-0407 Proposal: Supplement	Bioenergy Sciences Center	Research - Applied	UT-Battelle, LLC	Federal Flow Thru	Co-PI	6/1/2013	5	0.00%	50%	\$1,250	Awarded
		Totals for	Chen, Fang							\$1,250	
Dixon, Richard											
<i>Dixon, R. , PI; Chen, F. , Co-PI; Biological Sciences</i>											
18-0407 Proposal: Supplement	Bioenergy Sciences Center	Research - Applied	UT-Battelle, LLC	Federal Flow Thru	PI	6/1/2013	5	0.00%	50%	\$1,250	Awarded
		Totals for	Dixon, Richard							\$1,250	
McFarlin, Brian											
<i>McFarlin, B. , Co-PI; Biological Sciences; McFarlin, B. , PI; Bowman, E. , Co-PI; Kinesiology, Health Promotion, & Recreation</i>											
18-0428 Proposal: Supplement	Testing Efficacy of UA Recovery Shorts Following EIMD	Research - Basic	Under Armour, Inc.	Industry	Co-PI	10/1/2015	4.16	12.00%	7.5%	\$3,600	Pending
		Totals for	McFarlin, Brian							\$3,600	
Venables, Barney											
18-0410 Proposal: New	Alligator Gar Maternal/Egg Contaminant Analyses	Research - Applied	Texas Parks and Wildlife Department	Federal Flow Thru	PI	5/1/2018	0.16	48.50%	100%	\$16,500	Pending
		Totals for	Venables, Barney							\$16,500	
		Totals for	Biological Sciences							\$148,920	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
Chemistry											
Buongiorno Nardelli, Marco											
<i>Buongiorno Nardelli, M. , Co-PI; Chemistry; Buongiorno Nardelli, M. , PI; Physics</i>											
18-0403 Proposal: New	Collaborative Research: Element: Data: Optimizing materials manufacturing from materials genome data	Research - Basic	National Science Foundation - Federal NSF		Co-PI	1/1/2019	2.91	48.50%	20%	\$60,000	Pending
		Totals for	Buongiorno Nardelli, Marco							\$60,000	
Cundari, Thomas											
18-0405 Proposal: New	Analysis of Counterion Effects in Catalysis-Task 4	Research - Basic	Exxon Mobil	Industry	PI	4/15/2018	0.91	48.50%	100%	\$100,000	Awarded
		Totals for	Cundari, Thomas							\$100,000	
Verbeck, Guido											
<i>Verbeck, G. , PI; Chemistry; King, K. , Co-PI; Political Science</i>											
18-0347 Proposal: New	Non-Invasive Analysis of the Exposome for Intelligence/Forensic Applications	Research - Applied	National Institute of Justice - NIJ	Federal	PI	9/1/2019	0.91	48.50%	50%	\$182,221	Pending
<i>Verbeck, G. , PI; Chemistry; King, K. , Co-PI; Political Science</i>											
18-0348 Proposal: Resubmissio	Using Membrane Inlet Mass Spectrometry to Create an Earth Based Separations Model to Better Locate Clandestine Drug Labs and Developing Lawful Protocols to Implement the	Research - Applied	National Institute of Justice - NIJ	Federal	PI	9/1/2018	2.91	48.50%	50%	\$316,357	Pending
<i>Verbeck, G. , Co-PI; Verbeck, G. , PI; Chemistry</i>											
18-0434 Proposal: New	Rapid detection and quantitation of ?-9-Tetrahydrocannabinol (?-9-THC) using a portable Terahertz Spectrometer	Research - Applied	National Institute of Justice - NIJ	Federal	Co-PI	9/1/2018	1.91	48.50%	30%	\$141,835	Pending
<i>Verbeck, G. , PI; Verbeck, G. , Co-PI; Chemistry</i>											
18-0434 Proposal: New	Rapid detection and quantitation of ?-9-Tetrahydrocannabinol (?-9-THC) using a portable Terahertz Spectrometer	Research - Applied	National Institute of Justice - NIJ	Federal	PI	9/1/2018	1.91	48.50%	70%	\$330,949	Pending

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
		Totals for	Verbeck, Guido							\$971,362	
		Totals for	Chemistry							\$1,131,361	
Physics											
Buongiorno Nardelli, Marco											
<i>Buongiorno Nardelli, M. , PI; Physics; Buongiorno Nardelli, M. , Co-PI; Chemistry</i>											
18-0403 Proposal: New	Collaborative Research: Element: Data: Optimizing materials manufacturing from materials genome data	Research - Basic	National Science Foundation - Federal NSF		PI	1/1/2019	2.91	48.50%	80%	\$240,000	Pending
		Totals for	Buongiorno Nardelli, Marco							\$240,000	
		Totals for	Physics							\$240,000	
		Totals for	College of Sciences							\$1,520,281	
Research & Innovation											
Advanced Environmental Research Institute (AERI)											
Kennedy, James											
18-0400 Proposal: New	Surveillance of Mosquitoes and Arboviruses Including West Nile Virus in the City of Denton during the 2018 Mosquito Season	Research - Applied	City of Denton	Local Govt	PI	5/1/2018	0.41	15.00%	100%	\$22,736	Awarded
		Totals for	Kennedy, James							\$22,736	
		Totals for	Advanced Environmental Research Institute (AERI)							\$22,736	
		Totals for	Research & Innovation							\$22,736	
		Totals for	UNT							\$5,856,891	
		Totals for	April FY2018:							\$5,856,891	