

**Delaware State Clearinghouse Committee
February Agenda**

February 26, 2019

Item	SA#	Applicant	Project Title	Federal	Funding State	Other	Positions		
							Federal	State	Other
<u>New Business*</u>									
1	3915	Executive, Criminal Justice, Criminal Justice Council	Victims of Crime Act - Assistance Discretionary Training	\$108,856	\$0	\$0	0.10	0.00	0.00
2	2018-12-17-01	Department of Health and Social Services, Public Health, Community Health	Collaborative Improvement and Innovation Network on Infant Mortality	\$103,000	\$0	\$0	0.00	0.00	0.00
3	2018-12-17-02	Department of Health and Social Services, Public Health, Community Health	Regional Public Health Training Centers (PHTC) Program	\$32,500	\$0	\$0	0.00	0.00	0.00
4	3945	Department of Health and Social Services, Social Services, State Service Centers	Training and Technical Assistance Criminal History Check	\$6,615	\$0	\$0	0.00	0.00	0.00
5	3925	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal, and Energy	Coastal Zone Management Projects of Special Merit	\$221,340	\$0	\$0	0.15	0.00	0.00
6	3927	Department of Safety and Homeland Security, State Police, Traffic	Motor Carrier Safety Assistance Program	\$1,187,939	\$202,923	\$0	6.70	1.08	0.00
7	Multi	Department of Natural Resources and Environmental Control, Division of Fish and Wildlife	Deer Management Switch Fund Request						
<u>Continued</u>									
8	3929	Department of State, Human Relations	Fair Housing Assistance Program	\$108,200	\$0	\$0	1.00	0.00	0.00
9	3936	Department of Health and Social Services, Public Health, Community Health	Milk and Shellfish Grant Program	\$21,597	\$0	\$0	0.00	0.00	0.00
10	3938	Department of Health and Social Services, Public Health, Community Health	Manufactured Food Training (Milk Safety)	\$3,969	\$0	\$0	0.00	0.00	0.00
11	3506 Amendment	Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health	Community Mental Health Block Grant	\$602,044	\$0	\$0	1.00	0.00	0.00
12	3924	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Adoption Incentive Payment Program	\$41,531	\$0	\$0	0.00	0.00	0.00
13	3926	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Freshwater Fisheries Management Program	\$49,143	\$16,381	\$0	0.42	0.29	0.09
14	3888	Department of Labor, Office of Occupational and Labor Market Information	Workforce Information Grant	\$300,167	\$0	\$0	1.50	0.00	0.00
<u>Higher Education</u>									
1	2019-02-09-01	HE/University of Delaware	Supplement to NSF Modular Autonomous Biosampler (MAB) Award	\$28,232	\$0	\$0			
2	2019-02-09-02	HE/University of Delaware	Biochemistry and Biophysics of Capsid Function in HIV-1 Infection	\$0	\$0	\$36,229			
3	2019-02-09-03	HE/University of Delaware	Delaware COBRE for Rehabilitation Research	\$7,423,697	\$0	\$0			
4	2019-02-09-04	HE/University of Delaware	Pulsatile Load in Chronic Kidney Disease The Heart and Brain Connection	\$0	\$0	\$10,000			
5	2019-02-09-05	HE/University of Delaware	Harnessing Alkyl Amine and Alcohol Derivatives in Cross-Coupling Reactions	\$1,821,770	\$0	\$0			

*New Business requires the attendance of the Contact Person.
Available on the internet at <http://budget.delaware.gov/clearinghouse/abm.shtml>

6	2019-02-09-06	HE/University of Delaware	Molecular Mechanisms of Cellular Processes through the Computational Microscope	\$0	\$0	\$600,000
7	2019-02-09-07	HE/University of Delaware	Mindfulness and Romantic Relationship Quality Among Dating Couples	\$0	\$0	\$1,500
8	2019-02-09-08	HE/University of Delaware	Leveraging Perceptual Mechanisms to Reduce Racial Bias in Pain Care	\$0	\$0	\$49,995
9	2019-02-09-09	HE/University of Delaware	Co-Mingled, High-Performance, Short Fiber Composites for Low Cost/High Volume Composites Manufacturing	\$289,421	\$0	\$0
10	2019-02-09-10	HE/University of Delaware	Perceiver Race and Individual Differences in Evaluations of Interracial Police-Civilian Interactions	\$272,096	\$0	\$0
11	2019-02-09-11	HE/University of Delaware	CY2019 NSF OPS Support	\$2	\$0	\$0
12	2019-02-09-12	HE/University of Delaware	Leveraging Perceptual and Psychological Mechanisms to Understand Racial Bias in Pain Care	\$324,815	\$0	\$0
13	2019-02-09-13	HE/University of Delaware	Spectral Graph Theory	\$0	\$0	\$35,000
14	2019-02-09-14	HE/University of Delaware	CDS/ARMY Executive Office for Simulation, Training and Implementation HDILED Service -Kiamilev	\$0	\$0	\$90,000
15	2019-02-09-15	HE/University of Delaware	Chichester duPont Foundation to provide Financial Aid	\$0	\$0	\$20,000
16	2019-02-09-16	HE/University of Delaware	NEH Natl Digital Newspaper Program Phase 3	\$180,945	\$0	\$0
17	2019-02-09-17	HE/University of Delaware	Neural Measure of Defeasible Binding	\$12,000	\$0	\$0
18	2019-02-09-18	HE/University of Delaware	The Impact of Prior Aerobic Exercise on the Pulsatile Component of Left Ventricular Afterload in Men and Women	\$0	\$0	\$10,001
19	2019-02-09-19	HE/University of Delaware	Sleep and Cardiovascular Health in College Students	\$0	\$0	\$4,978
20	2019-02-09-20	HE/University of Delaware	Ultra-High Power On-Diamond UTC Photodiode for Microwave Photonic Applications	\$0	\$0	\$67,717
21	2019-02-09-21	HE/University of Delaware	A Study to Determine if Fall-Recovery Skill can be a Target to Enable Walking Activity in those with Chronic Stroke	\$0	\$0	\$272,727
22	2019-02-09-22	HE/University of Delaware	Creating the Fabric of Functional Garment Research at UD	\$0	\$0	\$520,000
23	2019-02-09-23	HE/University of Delaware	Innovative Methods to Advance Precision in Early Childhood Services	\$0	\$0	\$121,337
24	2019-02-09-24	HE/University of Delaware	Informative and Predictive Metrics Extracted from Non-Commensurate Datasets for Monitoring Health and Disease Progression: Investigations into Parkinson's Disease	\$626,542	\$0	\$0

25	2019-02-09-25	HE/University of Delaware	Entresto Effects on Cardiovascular Responses to Exercise in Heart Failure Patients	\$0	\$0	\$5,000
26	2019-02-09-26	HE/University of Delaware	Parenting Plus (AECF)	\$0	\$0	\$90,909
27	2019-02-09-27	HE/University of Delaware	Support KIDS COUNT Activities	\$0	\$0	\$95,238
28	2019-02-09-28	HE/University of Delaware	Finding Mitochondrial Memory	\$0	\$0	\$50,000
29	2019-02-09-29	HE/University of Delaware	Improved HAB Monitoring, Forecasting and Response Capacity in the Chesapeake Bay	\$0	\$0	\$63,617
30	2019-02-09-30	HE/University of Delaware	RII Track-2 FEC: Multistate Data Science Initiative for Harnessing Big Data to Address Opioid Use Disorder	\$0	\$0	\$1,269,739
31	2019-02-09-31	HE/University of Delaware	Crediting Cover Crops and Soil Organic Matter in Fertilizer Recommendations to Increase Nitrogen Use Efficiency	\$0	\$0	\$168,664
32	2019-02-09-32	HE/University of Delaware	Ammonia - Foe and Friend? Salmonella Reduction by Endogenous Ammonia in Poultry Litter	\$0	\$0	\$46,337
33	2019-02-09-33	HE/University of Delaware	Effect of Dietary Sodium on Modulating Human Gut Microbiota	\$0	\$0	\$5,000
34	2019-02-09-34	HE/University of Delaware	Continued Development and Delivery of a 3-D Prehistoric Stone Tool Database for Education, Outreach and Research	\$0	\$0	\$92,732
35	2019-02-09-35	HE/University of Delaware	Recasting and Book Reading Under Ideal (Dose-Controlled) and Typical (Dose-Variable) Conditions: The Role of Fidelity and Adherence in Production and Comprehension Outcomes for Children with DLD	\$1,250,000	\$0	\$0
36	2019-02-09-36	HE/University of Delaware	UCSF/NIMH Roben 19 Dissemination ABC Training	\$0	\$0	\$12,000
37	2019-02-09-37	HE/University of Delaware	Enabling Science by Intra-Collaboration Exchanges: Conferences, Un-Conferences, Hackathons for TVS and SMWLV	\$0	\$0	\$35,000
38	2019-02-09-38	HE/University of Delaware	MRI: Acquisition of a Console and Cryogenic Quadnuclear Probe for a 600 MHz NMR Spectrometer	\$661,016	\$0	\$0
39	2019-02-09-39	HE/University of Delaware	SPX: Enabling Scalable Social Edge Computing	\$364,406	\$0	\$0
40	2019-02-09-40	HE/University of Delaware	SPX: Collaborative Research: A Formal Foundation for Heterogeneous Concurrency: From Standards to Implementations	\$389,116	\$0	\$0
41	2019-02-09-41	HE/University of Delaware	Smart Green Corridor Innovation with Biochar	\$0	\$0	\$28,959
42	2019-02-09-42	HE/University of Delaware	Collaborative Research: Tempering the Error Climate: Impact of Perceptions about Error Functionality on Student Learning, Motivation, and Perseverance in Mathematics	\$167,800	\$0	\$0
43	2019-02-09-43	HE/University of Delaware	Family SHADE - Danio Diary	\$12,986	\$0	\$0

44	2019-02-09-44	HE/University of Delaware	Diaphragm Muscle Dysfunction in Chronic Kidney Diseases	\$0	\$0	\$172,412
45	2019-02-09-45	HE/University of Delaware	Thermoforming of Composite Parts	\$0	\$0	\$32,051
46	2019-02-09-46	HE/University of Delaware	Smart Green Corridor Innovation with Biochar	\$0	\$0	\$28,959
47	2019-02-09-47	HE/University of Delaware	Antibody Tools for Investigating Protein Expression in Mammalian Lens Development	\$0	\$0	\$25,000
48	2019-02-09-48	HE/University of Delaware	A Multi-Generational Transcriptome Study of Animals Exposed to Simulated Microgravity and Simulated Space Radiation	\$143,902	\$0	\$0
49	2019-02-09-49	HE/University of Delaware	DMREF: Collaborative Research: Conductive Protein Nanowires as Next Generation Polymer Nanocomposite Fillers	\$220,610	\$0	\$0
50	2019-02-09-50	HE/University of Delaware	Collaborative Research: Paving the Way for Fractions: Exploring Foundational concepts in First Grade	\$1,407,976	\$0	\$0
51	2019-02-09-51	HE/University of Delaware	SPX: Collaborative Research: Message-Based Event Driven System for Extreme Scale	\$592,407	\$0	\$0
52	2019-02-09-52	HE/University of Delaware	MRI: Acquisition of a Big Data and High Performance Computing System to Catalyze Delaware Research and Education	\$1,399,992	\$0	\$0
53	2019-02-09-53	HE/University of Delaware	Inflammation as a Driver of Hereditary Triple Negative Breast Cancer	\$0	\$0	\$625,001
54	2019-02-09-54	HE/University of Delaware	3D Printing of Fluorine Containing Polymers	\$0	\$0	\$361,993
55	2019-02-09-55	HE/University of Delaware	Isolation and Characterization of the Causative Agent of False Layer Syndrome	\$0	\$0	\$88,164
56	2019-02-09-56	HE/University of Delaware	Inflammation Mediated PINCH Induction Leads to Metabolic Dysfunction in Alzheimer's Disease	\$0	\$0	\$309,407
57	2019-02-09-57	HE/University of Delaware	Foxe3 and Downstream Gene Regulatory Networks in Lens Development	\$0	\$0	\$82,514
58	2019-02-09-58	HE/University of Delaware	Do Cultivars of Native Plants Support Food Webs as well as their Parent Species?	\$0	\$0	\$30,007
59	2019-02-09-59	HE/University of Delaware	New Faculty Hire: NIH COBRE in Lung Cancer shall Recruit Junior Level Tenure-Track Candidate who will Develop Extramurally Funded Research Programs Pertaining to the Molecular and Cellular Basis of Lung Cancer, its Diagnosis and Treatment	\$0	\$0	\$503,471
60	2019-02-09-60	HE/University of Delaware	The Effect Of Parkinson's Disease On Feedback Control During Reaching	\$0	\$0	\$59,914
61	2019-02-09-61	HE/University of Delaware	RII Track-2 FEC: Assessing Flood Risk and Building Coastal Resilience Using and Applying Big Data	\$0	\$0	\$1,285,536
62	2019-02-09-62	HE/University of Delaware	TFEB Activation as a Therapeutic Option for DMD	\$0	\$0	\$105,509

63	2019-02-09-63	HE/University of Delaware	Identifying Circuits and Mechanisms via which Basal Forebrain Cholinergic Neurons Facilitate Fear Memory	\$1,075,000	\$0	\$0
64	2019-02-09-64	HE/University of Delaware	Examining Neuroendocrinological and Neurobiological Mechanisms that Render Females More Susceptible to the Effects of Traumatic Stress	\$100,000	\$0	\$0
65	2019-02-09-65	HE/University of Delaware	Cell Signaling in Neural Crest Induction	\$1,250,000	\$0	\$0
66	2019-02-09-66	HE/University of Delaware	Elucidating Biogenesis and Cargo Sorting Mechanisms for Discrete Extracellular Vesicle Subpopulations in C. Elegans	\$1,250,000	\$0	\$0
67	2019-02-09-67	HE/University of Delaware	Cross-Cutting Metrology Tools for In-Operando Characterization of Carrier Dynamics in Photovoltaic Devices	\$0	\$0	\$192,310
68	2019-02-09-68	HE/University of Delaware	RII Track-2 FEC: Large-Scale, Biopsychosocial Data Driven Approaches to Understanding and Solving Challenges for the Success and Well-Being of Stigmatized Individuals	\$4,653,224	\$0	\$0
69	2019-02-09-69	HE/University of Delaware	A Study of Interactions Between Sensori-Motor and Social Communication Development in Infants At-Risk for Autism	\$2,211,893	\$0	\$0
70	2019-02-09-70	HE/University of Delaware	Poppe/Arnold Foundation Unsheltered Homelessness Study	\$0	\$0	\$87,704
71	2019-02-09-71	HE/University of Delaware	Ronald E. McNair Post-Baccalaureate Achievement	\$449,612	\$0	\$0
72	2019-02-09-72	HE/University of Delaware	Parkinson's Disease Telehealth Clinic 2019	\$0	\$0	\$15,000
73	2019-02-09-73	HE/University of Delaware	Field Demonstration of a New Litter Amendment on Ammonia Control in Broiler Houses under Winter Conditions	\$0	\$0	\$24,845
74	2019-02-09-74	HE/University of Delaware	Protect the Flock - Improving Biosecurity through Vehicle Disinfection	\$0	\$0	\$35,461
75	2019-02-09-75	HE/University of Delaware	Designing Magnon-Electron Hybrid Devices with Quantum-Classical Micromagnetics	\$295,794	\$0	\$0
76	2019-02-09-76	HE/University of Delaware	DMREF: Ultrafast Nonlinear Spin Physics in Magnetic Structures under the Extreme Condition of Intense Laser Excitation	\$1,010,632	\$0	\$0
77	2019-02-09-77	HE/University of Delaware	Mechanistic and Therapeutic Manipulations of Autophagy in Dystrophic Muscle	\$0	\$0	\$345,470
78	2019-02-09-78	HE/University of Delaware	University of Delaware Upward Bound Program	\$595,676	\$0	\$0
79	2019-02-09-79	HE/University of Delaware	University of Delaware Upward Bound Math/Science	\$599,172	\$0	\$0
80	2019-02-09-80	HE/University of Delaware	That's Great in Theory, But What Does it Look Like in Practice? Describing Components of Critical Service Learning in Urban Classrooms	\$0	\$0	\$23,630
81	2019-02-09-81	HE/University of Delaware	Food Insufficiency, Disability Status, and Program Participation	\$0	\$0	\$15,513

82	2019-02-09-82	HE/University of Delaware	Composite Spray Boom Development	\$0	\$0	\$94,653
83	2019-02-09-83	HE/University of Delaware	NRT-QL: Interdisciplinary Graduate Degree Program in Quantum Science and Engineering	\$2,558,324	\$0	\$0
84	2019-02-09-84	HE/University of Delaware	DMREF: Collaborative Research: Design of Self-Assembled Atomically Engineered Metal/Electrolyte Interfaces for the Efficient Electrochemical Reduction of CO2 to Fuels	\$452,040	\$0	\$0
85	2019-02-09-85	HE/University of Delaware	Rapid Manufacturing of Tooling for On-Aircraft Composite Scarf Repairs	\$0	\$0	\$96,154
86	2019-02-09-86	HE/University of Delaware	Next-Generation Phylogenetic Methods for Modern Biological Data	\$0	\$0	\$35,000
87	2019-02-09-87	HE/University of Delaware	Modeling of Waves in Complex Media	\$0	\$0	\$35,000
88	2019-02-09-88	HE/University of Delaware	Affordable ATP-Vacuum Consolidation Processing	\$0	\$0	\$28,846
89	2019-02-09-89	HE/University of Delaware	Wyoming Leadership Institute Participant Support	\$0	\$0	\$19,685
90	2019-02-09-90	HE/University of Delaware	Feed Additive for Reducing Incidence of Wooden Breast in Commercial Broiler Chickens	\$0	\$0	\$70,452
91	2019-02-09-91	HE/University of Delaware	DMREF: Collaborative Research: Computationally-Driven Synthesis of Porous Cages for Small Molecule Storage	\$357,268	\$0	\$0
92	2019-02-09-92	HE/University of Delaware	DMREF: Collaborative Research: Multiscale Manipulation of Failure and Fatigue in Biopolymeric Elastomers	\$341,956	\$0	\$0
93	2019-02-09-93	HE/University of Delaware	DMREF: Collaborative Research: Theory-Informed Design of Non-Linear Block Copolymer: Optimizing Macromolecular Architecture and Domain Spacing for Nanotemplating Materials	\$391,970	\$0	\$0
94	2019-02-09-94	HE/University of Delaware	Growing a CS Pathway for America's Youth	\$0	\$0	\$22,500
95	2019-02-09-95	HE/University of Delaware	iSLEDS STTR Phase 2	\$0	\$0	\$199,622
96	2019-02-09-96	HE/University of Delaware	Exploring, Identifying, and Assessing Dressing and Toileting ADL Challenges for Families of Young Adults with Moderate to Severe Disabilities	\$396,840	\$0	\$0
97	2019-02-09-97	HE/University of Delaware	Brain Viscoelasticity Changes due to Repetitive Head Impacts and Concussion	\$1,745,122	\$0	\$0
98	2019-02-09-98	HE/University of Delaware	Estimating Nelsons Sparrows Reproductive Success at Mendall Marsh, Maine	\$0	\$0	\$109,776
99	2019-02-09-99	HE/University of Delaware	Cell Junctions and Cell Membranes in the Lens	\$22,035	\$0	\$0
100	2019-02-10-01	HE/University of Delaware	Semantic Computing for Protein Knowledge Network Discovery	\$2,610,200	\$0	\$0

101	2019-02-10-02	HE/University of Delaware	Biocontrol of Sanitizer Tolerant <i>Listeria Monocytogenes</i> Biofilms using a Risk-Based Fresh Produce Production System	\$0	\$0	\$188,776
102	2019-02-10-03	HE/University of Delaware	Identifying the Mechanism of FAM210B Function in Erythroid Iron Metabolism	\$0	\$0	\$29,545
103	2019-02-10-04	HE/University of Delaware	Molecular-Level Kinetic Modeling of Resid Fluid Catalytic Cracking	\$0	\$0	\$245,264
104	2019-02-10-05	HE/University of Delaware	Sussex County Appropriation for Ag Exp Station Research Fiscal Year 2017	\$0	\$0	\$30,000
105	2019-02-10-06	HE/University of Delaware	Combing Observational Technologies with Survey Methodologies Using Energy End Use as Metric of Study	\$256,913	\$0	\$0
106	2019-02-10-07	HE/University of Delaware	CNH2-L: Beach Evolution and Adaptability to Complex Human and Environmental Stressors (BEACHES): Linking Beach Dynamics and Values with Coastal Management Strategies	\$178,894	\$0	\$0
107	2019-02-10-08	HE/University of Delaware	Combinatorially Structured Diffusions	\$0	\$0	\$35,000
108	2019-02-10-09	HE/University of Delaware	WARGLOVE (Wearable And Resistive-heated Glove)	\$0	\$0	\$34,375
109	2019-02-10-10	HE/University of Delaware	Establishing Dynamic Microenvironments to Probe Key Regulators of Cancer Dormancy	\$1,249,995	\$0	\$0
110	2019-02-10-11	HE/University of Delaware	Process Modeling of Entire Autoclave Assembly for Complex Geometries and its Sensitivity to Defect Formation	\$0	\$0	\$28,846
111	2019-02-10-12	HE/University of Delaware	Nano-Scale Hybridization of Composite Interfaces for Damage Tolerant Rotorcraft Components	\$0	\$0	\$46,154
112	2019-02-10-13	HE/University of Delaware	Analysis of the Presence of <i>Cyclospora</i> in Waters of the Mid-Atlantic and Evaluation of Removal and Inactivation by Filtration	\$0	\$0	\$46,269
113	2019-02-16-01	HE/Delaware State University	RII Track-2 FEC: Big Data Analytics for Disaster Relief, Resilience & Sustainability	\$4,074,093		
114	2019-02-16-02	HE/Delaware State University	Developing a Novel Methodology to Estimate Shortnose Sturgeon Abundance Using Acoustic Telemetry and Side-Scan Sonar Imagery (Hudson River Foundation/Cornell)	\$47,901		15% IDC
115	2019-02-16-03	HE/Delaware State University	MRI: Acquisition of Next Generation Sequencing and Library Prep Systems to Advance Genomics Research at Delaware State University (NSF)	\$656,777		
116	2019-02-16-04	HE/Delaware State University	Elucidation of physiological, biochemical, and molecular mechanisms for sweet potato adaptation to a simulated Mars-like environment (NASA)	\$305,377		15% IDC
117	2019-02-16-05	HE/Delaware State University	Delaware INBRE III/ DSU	\$200,000		
118	2019-02-16-06	HE/Delaware State University	MRI: Acquisition of Multiphoton Microscope for Multidisciplinary Research and Education at Delaware State University	\$852,798		