

**Delaware State Clearinghouse Committee**  
**January Agenda**  
**Meeting to be Held Virtually - Meeting Information/Instructions Attached**  
**Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**January 18, 2022 @ 10:00am**

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
<b>New Business*</b>									
1	<a href="#">5218</a>	Executive, Criminal Justice, Criminal Justice Council	Democratic National Convention (DNC) Presidential Protection	\$378,485	\$0	\$0	0.00	0.00	0.00
2	<a href="#">5107</a>	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Lab Capacity Detection & Mitigation in Confinement Facilities - ARP COVID-19	\$1,820,000	\$0	\$0	0.00	0.00	0.00
3	<a href="#">5214</a>	Department of Health and Social Services, Public Health, Community Health	Clinical Laboratory Improvement Amendments Continuation Grant and Switch Fund Request	\$55,292	\$48,607	\$0	0.48	0.52	0.00
4	<a href="#">5219</a>	Department of Health and Social Services, State Service Centers	AmeriCorps Community Services Supplement - ARP COVID-19	\$265,000	\$265,000	\$0	0.00	0.82	0.00
5	<a href="#">5252</a>	Department of Health and Social Services, Substance Abuse and Mental Health	Substance Abuse Block Grant COVID Mitigation - ARP COVID-19	\$125,000	\$0	\$0	0.00	0.00	0.00
6	<a href="#">5253</a>	Department of Health and Social Services, Community Mental Health	Mental Health Block Grant COVID Mitigation - ARP COVID-19	\$125,000	\$0	\$0	0.00	0.00	0.00
7	<a href="#">2021-09-28-01</a>	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Behavioral Health Services Information Systems - Substance Abuse Prevention Treatment	\$0	\$0	\$33,816	0.00	0.00	0.00
8	<a href="#">2021-09-28-02</a>	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Behavioral Health Services Information Systems - Mental Health	\$0	\$0	\$137,363	0.00	0.00	0.00
9	<a href="#">5223</a>	Department of Agriculture, Administration	Seafood Processors Pandemic Response and Safety Block Grant - CRRSA COVID-19	\$200,000	\$0	\$0	0.00	0.00	0.00
10	<a href="#">5257</a>	Department of Education, Student Support	Supply Chain Assistance	\$2,877,333	\$0	\$0	0.00	0.00	0.00
<b>Continued</b>									
1	<a href="#">5229</a>	Executive, Office of Management and Budget, Food Distribution	The Emergency Food Assistance Program	\$330,000	\$107,995	\$0	1.40	2.70	0.00
2	<a href="#">5230</a>	Executive, Office of Management and Budget, Food Distribution	Commodity Supplemental Food Program	\$137,576	\$0	\$0	0.00	0.00	0.00
3	<a href="#">5236</a>	Executive, Office of Management and Budget, Food Distribution	State Administrative Expense Funds	\$125,322	\$0	\$0	0.60	0.00	0.00
4	<a href="#">5217</a>	Executive, Criminal Justice, Criminal Justice Council	Edward Byrne Justice Assistance Grant	\$972,844	\$0	\$0	0.60	0.00	0.00
5	<a href="#">5148</a>	Department of Health and Social Services, Public Health, Community Health	Ryan White Care Act Title II	\$5,062,220	\$0	\$0	3.55	0.00	0.00
6	<a href="#">5224</a>	Department of Health and Social Services, Public Health, Community Health	Maternal, Infant and Early Childhood Home Visiting - Innovation Awards	\$1,892,092	\$1,219,950	\$0	0.00	0.00	0.00
7	<a href="#">5215</a>	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 154 Sanction Grant	\$1,193,660	\$0	\$0	0.00	0.00	0.00
8	<a href="#">5225</a>	Department of Transportation, Planning	Delaware Aviation System Planning	\$145,000	\$0	\$0	0.00	0.00	0.00
9	<a href="#">5209</a>	Department of Agriculture, Administration	Senior Farmer's Market Nutrition Program	\$50,000	\$20,000	\$0	0.00	0.00	0.00

**Higher Education**

1	2020-07-18-02 Amendment	Delaware State University	Social Behavioral and Health Determinants of VOCIF-19 Transmission in Underserved Communities	\$326,954	\$0	\$0
2	2022-01-01-01	Delaware State University	NRT- HDR: Computing and Data Science Training for Materials Innovation, Discovery, Analytics	\$674,181	\$0	\$0
3	2022-01-01-02	Delaware State University	Large-Scale CoPe: SHORES (Science and Hazards of Ocean Rural Environments and Societies)	\$1,000,047	\$0	\$0
4	2022-01-01-03	Delaware State University	Kent County Levy Court Grant: Renovation of Capitol Park Playground	\$0	\$0	\$61,674
5	2022-01-01-04	Delaware State University	Social Justice Consortium Just Futures Initiative Project	\$0	\$0	\$4,500
6	2022-01-11-01	University of Delaware	To Staff and Build Out the Collaboration Space Necessary for the Parties to Ideate, Frame, and Execute Future Projects	\$0	\$0	\$1,107,450
7	2022-01-11-02	University of Delaware	Joint-Program to Promote the State of Delaware to Attract International Students	\$0	\$0	\$811,897
8	2022-01-11-03	University of Delaware	Large-Scale Cope: React - Resilient, Adaptable Communities Facing Coastal Threats Hub for Integrated Research and Engagement	\$13,955,361	\$0	\$0
9	2022-01-11-04	University of Delaware	BI: Lite-Mar: A Light-Integration Institute for Training and Education in Marine Animal Research	\$0	\$0	\$657,789
10	2022-01-11-05	University of Delaware	University of Delaware Prison Research & Innovation Network	\$0	\$0	\$86,956
11	2022-01-11-06	University of Delaware	Non-Invasive Evaluation of in Vivo Intervertebral Disc Mechanical Function	\$146,836	\$0	\$0
12	2022-01-11-07	University of Delaware	Determination of Activation of Aluminum Sulfate on Ammonia Control for Broiler Litter Under Winter Conditions	\$0	\$0	\$28,848
13	2022-01-11-08	University of Delaware	Intensive Rehabilitation Research Grant Writing Workshops in the United States (TIGRR)	\$0	\$0	\$68,910
14	2022-01-11-09	University of Delaware	IUCRC Phase I University of Delaware: Center for Emergent Hierarchical Materials (CHEM)	\$468,750	\$0	\$0
15	2022-01-11-10	University of Delaware	Delaware 4-H Military Partnership Grant	\$0	\$0	\$11,750
16	2022-01-11-11	University of Delaware	Am Council of Learned Societies Sustaining Public Engagement Grant Competition	\$0	\$0	\$203,960
17	2022-01-11-12	University of Delaware	Geologic Map of the Wyoming Quadrangle in Fulfillment of Guidance Criteria Category 1: New Mapping Options	\$172,984	\$0	\$0
18	2022-01-11-13	University of Delaware	Role of Dissolved Organic Matter in Alkalinity of Developed and Pristine Estuarine Waters	\$78,744	\$0	\$0
19	2022-01-11-14	University of Delaware	Collaborative Research: A Porewater Perspective on Benthic Sources of Neodymium to the North Atlantic	\$233,361	\$0	\$0
20	2022-01-11-15	University of Delaware	Spintronics with Antiferromagnetic Magnons in Synthetic and Van Der Waals Antiferromagnets	\$312,908	\$0	\$0
21	2022-01-11-16	University of Delaware	A Framework for Heavy Metal Prioritization and Mitigation for Reducing Metal Intake: Rice and Spinach Case Studies	\$0	\$0	\$45,454
22	2022-01-11-17	University of Delaware	Poly(Hydroxyalkanoate) (PHA) Crystallization Fundamentals and Method Development	\$0	\$0	\$595,104
23	2022-01-11-18	University of Delaware	Multidimensional Development of High-Affinity Anti-Glycan Antibodies to Fight Deadly Bacterial Infections. Project 2: Probing the Role of Acetylation in the Antibody Response to Staphylococcus Aureus.	\$0	\$0	\$633,010
24	2022-01-11-19	University of Delaware	Advanced Surface Analytics and Photochemistry Fundamentals for Ti-Pure	\$0	\$0	\$138,263
25	2022-01-11-20	University of Delaware	Electrifying Direct Air Capture with Electrochemistry	\$0	\$0	\$33,924
26	2022-01-11-21	University of Delaware	An Open-Source Acoustic Network for 3-D Tracking of Pelagic Fishes and Autonomous Assets Throughout U.S. Waters of the Northwest Atlantic Ocean	\$0	\$0	\$49,266
27	2022-01-11-22	University of Delaware	Investigation of Multimodal Biomechanical Features Using Deep-Learning Methods	\$13,006	\$0	\$0
28	2022-01-11-23	University of Delaware	Diffraction Integrated Photonic Accelerator for Advanced Optical Front End	\$0	\$0	\$601,251
29	2022-01-11-24	University of Delaware	Exploring Pre-Service Teachers' Judgments and Instructional Decisions About Student Writers	\$0	\$0	\$4,467
30	2022-01-11-25	University of Delaware	An Operational BioTrack: Monitoring At-Risk Marine Species Biodiversity Hotspot Interactions with Management and Resource Use Areas to Support Stakeholder Needs in the Face of Global Change	\$0	\$0	\$96,755
31	2022-01-11-26	University of Delaware	CIF: Small: Separation of Learning and Control in Networked Systems	\$352,982	\$0	\$0
32	2022-01-11-27	University of Delaware	The Effects of Strawberry Consumption on Cardiovascular Health in Middle-Aged Adults with Prehypertension	\$0	\$0	\$148,642
33	2022-01-11-28	University of Delaware	Manufacturing Fully Functional Organs Using Microrobots	\$0	\$0	\$600,001

34	2022-01-11-29	University of Delaware	Parcells Lab HVT Project - Recombinant Infectious Clone Selection and Vaccine Assessment	\$0	\$0	\$105,585
35	2022-01-11-30	University of Delaware	Collaborative Research: HCC: Medium: Hybrid Physical+Digital Spaces: Advancing Science, Design, and Operation of Built Environments for Wellbeing	\$94,375	\$0	\$0
36	2022-01-11-31	University of Delaware	Study of the U.S. Institutes for Young Women Leaders	\$0	\$0	\$200,730
37	2022-01-11-32	University of Delaware	Measuring and Predicting the Aquatic Toxicity of PFAS Mixtures Associated with AFFF	\$1,243,759	\$0	\$0
38	2022-01-11-33	University of Delaware	Going Viral with Extracellular Vesicles: Virus Biology Informs Next-Generation EV Therapeutics	\$0	\$0	\$34,368
39	2022-01-11-34	University of Delaware	Demonstration of Magnetic Frustration in a Macroscopic Spin-Ice Network	\$0	\$0	\$5,000
40	2022-01-11-35	University of Delaware	CAS-Climate: From Mines to Prisons - Towards Anti-Racist, Feminist & Whole-Systems Renewable Energy Justice	\$0	\$0	\$115,607
41	2022-01-11-36	University of Delaware	Shipboard Scientific Support Equipment CY2022 Swallow	\$256,439	\$0	\$0
42	2022-01-11-37	University of Delaware	Evaluation of Aragonite as Litter Amendment	\$0	\$0	\$9,251
43	2022-01-11-38	University of Delaware	Examining Feature Development and Communication to Determine Unique Trail Users	\$0	\$0	\$12,500
44	2022-01-11-39	University of Delaware	Additive Manufacture of Pitch-Based materials	\$0	\$0	\$171,143
45	2022-01-11-40	University of Delaware	Mid-Atlantic MBON: Dynamic Biodiversity and Telemetry Data for a Changing Coast	\$2,563,609	\$0	\$0
46	2022-01-11-41	University of Delaware	Ford Foundation Fellow Wilhelm 2022	\$0	\$0	\$81,000
47	2022-01-11-42	University of Delaware	Intrinsic Functional Connectivity: What is the Relation Between a Heritage Language and the Neurobiological Correlates of Emergent English Reading?	\$0	\$0	\$27,500
48	2022-01-11-43	University of Delaware	Research Inclusion Through Data Accessibility	\$0	\$0	\$6,305
49	2022-01-11-44	University of Delaware	Wave Effects on Cross-Shelf Transport: Connecting Coast and Open Ocean in an Earth System Modeling Framework	\$0	\$0	\$290,520
50	2022-01-11-45	University of Delaware	Career: The Measurement and Influence of Mathematics Motivation in a Digital Context	\$71,399	\$0	\$0
51	2022-01-11-46	University of Delaware	Electrochemically-Driven Carbon Dioxide Separation	\$158,923	\$0	\$0
52	2022-01-11-47	University of Delaware	A Real-Air-Breathing Hydroxide Exchange Membrane Fuel Cell	\$317,848	\$0	\$0
53	2022-01-11-48	University of Delaware	CAREER: Towards Proactive and Collaborative Mobility-Aware Edge Intelligence	\$443,178	\$0	\$0
54	2022-01-11-49	University of Delaware	MCA: Data-Driven Nonlinear Supplemental Damping Device Models for Structural Design Optimization and Retrofit	\$302,448	\$0	\$0
55	2022-01-11-50	University of Delaware	Micro-CT with 3D Image Analysis as a Tool for Interpreting Archaeological Ceramics	\$109,987	\$0	\$0
56	2022-01-11-51	University of Delaware	Adapting a Disclosure Decision-Aid to Improve HIV Outcomes for Older Adults in Ukraine	\$0	\$0	\$67,617
57	2022-01-11-52	University of Delaware	Sensorimotor Exploration and Adaptation in Healthy and Parkinson's Disease Populations	\$0	\$0	\$4,999
58	2022-01-11-53	University of Delaware	NCCVT SD/OE 2021 Seminars for Delaware Teachers Institute for FY22	\$0	\$0	\$5,000
59	2022-01-11-54	University of Delaware	Turbulence Decay of a Bubble/Sediment Laden Liquid in ISS Microgravity	\$65,691	\$0	\$0
60	2022-01-11-55	University of Delaware	Self-Aligned Sub-20nm Ga-on-Si Enhancement-Mode High Electron Mobility Transistor for RF Applications	\$311,966	\$0	\$0
61	2022-01-11-56	University of Delaware	Field Trials and Continued Surveys to Improve Management of Nematodes Across Delmarva	\$0	\$0	\$18,649
62	2022-01-11-57	University of Delaware	SHOCKS (Stressors of HABs, Oxygen and Climate on Key Species) on West Florida Shelf	\$0	\$0	\$310,685

1/11/2022

**Delaware State Clearinghouse Committee**  
**February Agenda**  
**Meeting to be Held Virtually - Meeting Information/Instructions Attached**  
**Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**March 1, 2022 @ 10:00am**

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
<b>New Business*</b>									
1	<a href="#">5254</a>	Executive, Criminal Justice, Criminal Justice Council	Dover Body-Worn Camera Implementation Grant	\$140,000	\$0	\$184,744	0.00	0.00	0.00
2	<a href="#">5255</a>	Executive, Criminal Justice, Criminal Justice Council	Connect & Protect Law Enforcement Behavioral Health	\$550,000	\$0	\$231,250	0.23	0.00	0.00
3	<a href="#">2021-12-08-01</a>	Executive, Delaware State Housing Authority	Recovery Housing Program	\$2,249,551	\$0	\$0	0.00	0.00	0.00
4	<a href="#">5157</a>	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Lab Capacity Detection & Mitigation in Homeless Service Sites - ARP COVID-19	\$449,760	\$0	\$0	0.00	0.00	0.00
5	<a href="#">5196</a>	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Lab Capacity Healthcare Associated Infections and Antimicrobial Resistance - ARP COVID-19	\$2,388,648	\$0	\$0	0.00	0.00	0.00
6	<a href="#">5199</a>	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Lab Capacity Skilled Nursing Home and Long-Term Care Facilities - ARP COVID-19	\$983,915	\$0	\$0	0.00	0.00	0.00
7	<a href="#">5200</a>	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Lab Capacity Nursing Home and Long-Term Care Facilities - ARP COVID-19	\$930,007	\$0	\$0	0.00	0.00	0.00
8	<a href="#">5267</a>	Department of Health and Social Services, State Service Centers	Low-Income Home Energy Assistance Program (LIHEAP) Infrastructure Investment and Jobs Act - IJJA	\$355,385	\$0	\$0	0.00	0.00	0.00
9	<a href="#">5246</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Augustine Creek Wetlands Protection Project	\$883,000	\$1,000	\$401,000	0.00	0.00	0.00
10	<a href="#">5250</a>	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Public Assistance DR-4627 Hurricane Ida	\$3,000,000	\$1,000,000	\$0	0.00	0.00	0.00
11	<a href="#">5238</a>	Department of Transportation, Motor Vehicles	Traffic Injury Research Foundation Implementing Improvements to the Alcohol Ignition Interlock Program	\$37,357	\$0	\$0	0.00	0.00	0.00
12	<a href="#">5251</a>	Delaware National Guard	Air National Guard Fuel Cell Hangar (MILCON)	\$17,500,000	\$0	\$0	0.00	0.00	0.00
13	<a href="#">DDA Position Request</a>	Department of Agriculture, Administration	2.0 New ASF FTE Positions Request	\$0	\$0	\$0	0.00	2.00	0.00
<b>Continued</b>									
1	<a href="#">3885 Amendment</a>	Executive, Criminal Justice, Criminal Justice Council	Adult Re-entry & Employment Strategic Planning	\$500,000	\$0	\$0	0.40	0.00	0.00
2	<a href="#">5248</a>	Executive, Criminal Justice, Criminal Justice Council	John R Justice Grant	\$32,170	\$0	\$0	0.03	0.00	0.00
3	<a href="#">5241</a>	Executive, Criminal Justice, Criminal Justice Council	Project Safe Neighborhoods	\$92,442	\$0	\$0	0.08	0.00	0.00
4	<a href="#">5231</a>	Legal, Department of Justice	Internet Crimes Against Children	\$315,267	\$0	\$0	2.00	0.00	0.00
5	<a href="#">4840 Amendment</a>	Department of Health and Social Services, Social Services	Supplemental Nutritional Assistance Program Pandemic Electronic Benefits Administration - CRRSA COVID-19	\$1,025,137	\$0	\$0	0.00	0.00	0.00
6	<a href="#">4882 Amendment</a>	Department of Health and Social Services, Public Health, Community Health	Immunization and Vaccines for Children Supplement - COVID-19	\$0	\$0	\$0	-1.00	0.00	0.00
7	<a href="#">4895 Amendment</a>	Department of Health and Social Services, Public Health, Community Health	Address COVID Health Disparities	\$0	\$0	\$0	1.00	0.00	0.00

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

8	<a href="#">5201</a>	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Lab Capacity Travelers Health - ARP COVID-19	\$200,000	\$0	\$0	0.00	0.00	0.00
9	<a href="#">5203</a>	Department of Health and Social Services, Public Health, Community Health	Title X Family Planning Services	\$2,267,453	\$1,115,499	\$0	4.00	6.00	0.00
10	<a href="#">5210</a>	Department of Health and Social Services, Public Health, Community Health	Advancing Retail Program Standards Conformance through Inspection Equipment	\$5,000	\$0	\$0	0.00	0.00	0.00
11	<a href="#">5212</a>	Department of Health and Social Services, Public Health, Emergency Medical Services	Emergency Medical Services for Children Partnership	\$130,000	\$21,383	\$0	0.00	0.20	0.00
12	<a href="#">5240</a>	Department of Health and Social Services, Social Services	Refugee Social Service Case Program	\$125,403	\$0	\$0	0.00	0.00	0.00
13	<a href="#">5245</a>	Department of Health and Social Services, Public Health, Community Health	Improving Sexually Transmitted Diseases through Prevention	\$1,000,000	\$0	\$0	0.00	0.00	0.00
14	<a href="#">5256</a>	Department of Health and Social Services, Social Services	Supplemental Nutritional Assistance Program Pandemic Electronic Benefits Administration - ARP COVID-19	\$2,054,070	\$0	\$0	0.00	0.00	0.00
15	<a href="#">4652 Amendment</a>	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-E Adoption Assistance	\$1,000,000	\$1,000,000	\$0	0.00	0.00	0.00
16	<a href="#">4225 Amendment</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Non-Tidal Boating and Fishing Access Areas Enhancement and Construction	\$1,268,783	\$422,928	\$0	0.00	0.32	0.00
17	<a href="#">4226 Amendment</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Tidal Boating & Fishing Access Design & Construction	\$948,065	\$315,075	\$0	0.00	0.42	0.00

#### Higher Education

1	2018-05-05-07 Amendment	Delaware State University	Delaware INBRE IV/DSU (Federal)	\$573,735	\$0	\$0			
2	2019-02-16-05 Amendment	Delaware State University	Delaware INBRE III/ DSU	\$681,433	\$0	\$0			
3	2019-06-15-12 Amendment	Delaware State University	WORDE: A Biopharmaceutical Training Center to Promote Development of the Workforce, Outreach, Diversity and Education	\$714,919	\$0	\$0			
4	2022-02-05-02	Delaware State University	A Pilot Study: Exploring the Intersectionality of Trauma, Sleep, and Health in a Vulnerable Population Impacted by Health Disparities	\$0	\$0	\$25,000			
5	2022-02-05-03	Delaware State University	High-Speed Hyperspectral Imaging for Highly Multiplexed Immunofluorescence Imaging	\$30,000	\$0	\$0			
6	2022-02-05-04	Delaware State University	Acquisition of a Solid-State NMR for Interdisciplinary Research and Study at Delaware State University	\$635,278	\$0	\$0			
7	2022-02-12-01	University of Delaware	The Epigenetic Mechanisms of Obesity in Offspring Delivered Via Cesarean Section	\$0	\$0	\$5,000			
8	2022-02-12-02	University of Delaware	Nemours Selva Yasemin Kus	\$0	\$0	\$12,089			
9	2022-02-12-03	University of Delaware	Narrative Identity, Interactional Microaggression, and Emotional Well-Being of Women: A Mixed Methods Study	\$0	\$0	\$3,000			
10	2022-02-12-04	University of Delaware	Targeting Actin Network Molecules to Prevent Capsular Wrinkling in Pediatric Capsular Opacification	\$0	\$0	\$70,000			
11	2022-02-12-05	University of Delaware	Deciphering Protein Ubiquitination with Chemical Biology Tools	\$2,176,950	\$0	\$0			
12	2022-02-12-06	University of Delaware	Developmental Stress and Epigenetics: A Role for Exercise Therapies	\$0	\$0	\$10,000			
13	2022-02-12-07	University of Delaware	Puzzling Over HABs and OA in Chesapeake Bay	\$0	\$0	\$227,614			
14	2022-02-12-08	University of Delaware	The Regional Internal Wave Spectrum and Boundary Mixing in the Sub-Tropical South Atlantic	\$0	\$0	\$878,782			
15	2022-02-12-09	University of Delaware	Deploying Demand-Response Automated Shuttles as a First-Last Mile Transit Solution	\$176,788	\$0	\$0			
16	2022-02-12-10	University of Delaware	Parts Naturally Directing Their Own Build and Repair	\$0	\$0	\$152,406			
17	2022-02-12-11	University of Delaware	Building ThingStor: A Material Culture Database for Finding & Connecting Objects in Art & Literature	\$29,202	\$0	\$0			
18	2022-02-12-12	University of Delaware	Collaborative Research: Saturated, Suffocated, & Salty: Hotspots of Ammonium-N and Dissimilatory Nitrate Reduction to Ammonium Denitrification Dichotomy in Anoxic Riparian Soils	\$354,889	\$0	\$0			

19	2022-02-12-13	University of Delaware	Sequencing and Assembly of Company Host Cells	\$0	\$0	\$93,799
20	2022-02-12-14	University of Delaware	Vascular Responses to Acute Aerobic Exercise in Early- and Late-Perimenopausal Women	\$0	\$0	\$5,000
21	2022-02-12-15	University of Delaware	The Association Between Concussion and Neuromuscular Control During Locomotion and Jump-Landing	\$0	\$0	\$9,500
22	2022-02-12-16	University of Delaware	Nemours Laurenceau Khalife 22	\$0	\$0	\$30,510
23	2022-02-12-17	University of Delaware	Examining the Effects of Early-Life Immune Activation and Later-Life Social Stress on Behavioral and Neural Outcomes During Development	\$0	\$0	\$9,968
24	2022-02-12-18	University of Delaware	Collaborative Research: Disease-Resilient Multi-Modal Urban Transportation Systems: Travel Behavior, System Dynamics, and Societal Impacts	\$148,928	\$0	\$0
25	2022-02-12-19	University of Delaware	Sensorimotor Control of Walking Balance in Children with Cerebral Palsy	\$0	\$0	\$2,000
26	2022-02-12-20	University of Delaware	Cell-Derived HIV Drug Delivery to Lymph Nodes	\$275,001	\$0	\$0
27	2022-02-12-21	University of Delaware	Can Comorbidity Screening and Referral by Prosthetists Enhance Post-Amputation Care?	\$0	\$0	\$22,727
28	2022-02-12-22	University of Delaware	Building Equity and Access by Including Family Child Care in Universal Pre-Kindergarten Expansion: A Multi-Site Study of Pre-Kindergarten Family Child Care Initiatives	\$0	\$0	\$156,522
29	2022-02-12-23	University of Delaware	Generalized Fluctuation Test for Deciphering Phenotypic Switching Within Cell Populations	\$1,000,000	\$0	\$0
30	2022-02-12-24	University of Delaware	Increasing Resilience of Survivor-Centered Social Systems: Adapting to COVID Related Constraints in Access to Services and Built Environment Use Patterns	\$16,000	\$0	\$0
31	2022-02-12-25	University of Delaware	MRI: Acquisition of BioLayer Interferometer Octet RH16 for Label-Free Detection of Biomolecular Interactions	\$364,808	\$0	\$0
32	2022-02-12-26	University of Delaware	Low Bandgap CIGS Solar Cells for CIGS/CdTe Tandem Solar Cells	\$0	\$0	\$85,000
33	2022-02-12-27	University of Delaware	COVID Collections Workshops	\$35,255	\$0	\$0
34	2022-02-12-28	University of Delaware	Revitalizing Infrastructure, and Improving Decision Quality Through Formal and Informal Interventions	\$561,526	\$0	\$0
35	2022-02-12-29	University of Delaware	Quantifying Crop Biomechanics Across Plant Lifespans	\$13,830	\$0	\$0
36	2022-02-12-30	University of Delaware	CPS: Small: An Optimal Control Framework for Informationally Decentralized Systems	\$329,028	\$0	\$0
37	2022-02-12-31	University of Delaware	MRI: Development of Milli-Kelvin Magnetic Measurement System for Investigation of Spintronic and Quantum Materials	\$827,307	\$0	\$0
38	2022-02-12-32	University of Delaware	Acceptability of the Healbe GoBe3 Device for Measuring Physical Activity and Hydration: A Validation Study	\$0	\$0	\$5,000
39	2022-02-12-33	University of Delaware	Enhanced Evaporative Flux to Remediate Brine-Contaminated Soil Phase 2	\$0	\$0	\$8,125
40	2022-02-12-34	University of Delaware	USSSP IODP Expedition 399 Building Blocks of Life	\$0	\$0	\$11,661
41	2022-02-12-35	University of Delaware	Improved Management of Darkling Beetle Outbreaks in Broiler Facilities	\$0	\$0	\$70,494
42	2022-02-12-36	University of Delaware	Epigenetic Dysregulation of Muscle in Spastic Cerebral Palsy	\$0	\$0	\$500,000
43	2022-02-12-37	University of Delaware	Priority 1: Digital Preservation and Web-Based Delivery of Borehole Lithology Log Data	\$83,002	\$0	\$0
44	2022-02-12-38	University of Delaware	Deep Learning-Based Contour Detection for Retinal Layer Segmentation and Sickle Cell Retinopathy Detection in Oct Images	\$0	\$0	\$62,460
45	2022-02-12-39	University of Delaware	Thermoregulation and Ambient Temperature in the Prairie Vole ( <i>Microtus ochrogaster</i> )	\$0	\$0	\$37,000
46	2022-02-12-40	University of Delaware	Supply Chain Decision Making Framework Considering Uncertainty	\$269,308	\$0	\$0
47	2022-02-12-41	University of Delaware	MRI: Acquisition of a Research and Educational Wave Flume (UDFlume) for Interdisciplinary Coastal Processes Studies	\$1,467,841	\$0	\$0
48	2022-02-12-42	University of Delaware	Collaborative Research: CNS Core: Small: Enabling Heterogeneous, Multi-Tenant and Elastic Serverless GPU Architecture on the Edge	\$222,164	\$0	\$0
49	2022-02-12-43	University of Delaware	Chromatography Modeling Using ML	\$0	\$0	\$51,316
50	2022-02-12-44	University of Delaware	Increasing Idea State Biomedical Entrepreneurship Via Ecosystem, Enterprises & Experts	\$0	\$0	\$609,747
51	2022-02-12-45	University of Delaware	Roles and Interplay of Reinforcement-Based and Error-Based Processes on Sensorimotor Behavior	\$320,020	\$0	\$0
52	2022-02-12-46	University of Delaware	Incorporation of Connected and Automated Vehicle Energy Impacts into RouteE and Support of RouteE Integration and Deployment	\$23,008	\$0	\$0

53	2022-02-12-47	University of Delaware	WIC Participants' Perceptions of the Cash-Value Benefit Increase During the Covid-19 Pandemic	\$0	\$0	\$4,000
54	2022-02-12-48	University of Delaware	Home-Based Health Management Programs	\$0	\$0	\$92,553
55	2022-02-12-49	University of Delaware	Increased Dietary Fructose Unmasks Salt Sensitive Blood Pressure in Young Healthy Adults	\$0	\$0	\$28,300
56	2022-02-12-50	University of Delaware	Sampling and Reconstruction of Flash LIDAR Waveforms	\$24,999	\$0	\$0
57	2022-02-12-51	University of Delaware	CFD-Biological Modeling Tool Proposal	\$0	\$0	\$117,852
58	2022-02-12-52	University of Delaware	Understanding Structure, Phase Behavior, and Physical Properties of Polysulfamides and Polysulfamates Using Simulations, Experiments, and Machine Learning	\$876,663	\$0	\$0
59	2022-02-12-53	University of Delaware	Valorization of Lignocellulosic Depolymerization Products by Enzymatic CO2 Fixation	\$497,862	\$0	\$0
60	2022-02-12-54	University of Delaware	Kinetic Investigation of the Properties and Signatures of Shear Flow Reconnection in the Solar Wind	\$0	\$0	\$154,477
61	2022-02-12-55	University of Delaware	AFT-MENN: Alexa Fairness Through Multi-Exit Neural Networks	\$0	\$0	\$79,053
62	2022-02-12-56	University of Delaware	Design, Synthesis, and Characterization of Novel Biochemical Process Sensors	\$0	\$0	\$619,844
63	2022-02-12-57	University of Delaware	Heating, Acceleration, and Diffusion in the Outer Heliosphere: Self-Consistent Solar Wind Modeling with Turbulence Transport, Eddy Viscosity, and Pickup Protons	\$411,613	\$0	\$0
64	2022-02-12-58	University of Delaware	Collaborative Research: IntBIO: Rules for Cell Membranes in the Extremes of the Deep Sea	\$270,446	\$0	\$0
65	2022-02-12-59	University of Delaware	Examining Therapeutic Change Mechanisms in an Affect Regulation, Father-Focused Intervention for Reducing Family Violence and Associated Symptoms in Children	\$0	\$0	\$292,761
66	2022-02-12-60	University of Delaware	Efficient and Resilient Biomanufacturing in Variable Gravity	\$0	\$0	\$294,050
67	2022-02-12-61	University of Delaware	Study of the U.S. Institutes for Scholars	\$0	\$0	\$266,169
68	2022-02-12-62	University of Delaware	The Role of Genetic and Non-Genetic Factors and Causal Mechanisms Underlying Cataract Susceptibility for Better Risk Prediction	\$0	\$0	\$420,000
69	2022-02-12-63	University of Delaware	Development of Porous Cages for CO2 Capture and its Electrocatalytic Conversion to Value Added Products	\$0	\$0	\$90,000
70	2022-02-12-64	University of Delaware	Probing the Unique Attributes of the Naïve Reservoir	\$0	\$0	\$349,995
71	2022-02-12-65	University of Delaware	Collaborative Research: The Genetic Architecture of Functional Diversity in a Bioluminescent Communication System	\$374,090	\$0	\$0
72	2022-02-12-66	University of Delaware	Disentangling Anaerobic Gut Fungi (AGF) Ecophysiological Roles to Mitigate Rumen Methane Emissions and Improve Animal Health	\$444,603	\$0	\$0
73	2022-02-12-67	University of Delaware	Understanding and Modeling Phosphorus Cycle Perturbation by Wildfires from the Molecule to the Ecosystem	\$0	\$0	\$128,603
74	2022-02-12-68	University of Delaware	Improving K Fertilizer Recommendations for Corn on the Delmarva Peninsula	\$0	\$0	\$6,840
75	2022-02-12-69	University of Delaware	Trends in Soil Test Phosphorus Following Long-Term Application of Poultry Litter and Commercial Fertilizers	\$0	\$0	\$6,244
76	2022-02-12-70	University of Delaware	Spectral Graph Theory and Association Schemes	\$0	\$0	\$35,000
77	2022-02-12-71	University of Delaware	Conforming Discontinuous Galerkin Finite Elements for Hyperbolic Equations	\$0	\$0	\$35,000
78	2022-02-12-72	University of Delaware	Specifically Targeting Multiple Disease Pathways by Modulating Hsp90β Regulatory Complexes	\$1,250,000	\$0	\$0
79	2022-02-12-73	University of Delaware	Examining the Feasibility of Implementing a Hypertension Storytelling Among African Americans with Hypertension Health Coach-Led Storytelling Intervention for African Americans with Hypertension	\$450,000	\$0	\$0
80	2022-02-12-74	University of Delaware	Longitudinal Impact of Midlife Cerebrovascular Pulsatility on Brain Tissue Integrity and Cognitive Aging	\$2,446,990	\$0	\$0
81	2022-02-12-75	University of Delaware	Spring 2022 Professional Development, "Bringing Nature In" for Wilmington Head Start, Inc.	\$0	\$0	\$1,582
82	2022-02-12-76	University of Delaware	Differential Effect of First Complementary Food Types on the Infant Gastrointestinal Microbiome: A Randomized Controlled Feeding Trial	\$0	\$0	\$4,545
83	2022-02-12-77	University of Delaware	R11 Track-2: FEC: Laying the Foundation for Scalable Quantum Photonic Technologies	\$0	\$0	\$1,340,072
84	2022-02-12-78	University of Delaware	Online Decision-Making and Control During Human-Human Interactions	\$378,081	\$0	\$0
85	2022-02-12-79	University of Delaware	Collaborative Research: PPOSS: Planning: An Integrated, Dynamic, Cross-Layer Approach for HPC	\$80,919	\$0	\$0

86	2022-02-12-80	University of Delaware	Planning for National Ultrahigh Field NMR Network	\$125,000	\$0	\$0
87	2022-02-12-81	University of Delaware	SOLLVE: Flang Development and Application Migration	\$59,071	\$0	\$0
88	2022-02-12-82	University of Delaware	Cybersecurity Certificate Schedule	\$0	\$0	\$156,460
89	2022-02-12-83	University of Delaware	Grid Sampling Soils to Improve Understanding of Soil Variability and Corn Yields	\$0	\$0	\$8,563
90	2022-02-12-84	University of Delaware	Effects of Increasing Corn Tissue Boron and Sulfur Concentrations on Nitrogen and Yield (2nd Year)	\$0	\$0	\$7,206
91	2022-02-12-85	University of Delaware	Memories of the Soils: Evaluation of Soil Nitrogen Stable Isotope as a Robust Metric to Assess Floodplain Restoration and Nitrogen Removal Effectiveness	\$0	\$0	\$181,398
92	2022-02-12-86	University of Delaware	Visual Statistical Learning in the Context of Similarity and Knowledge	\$305,953	\$0	\$0
93	2022-02-12-87	University of Delaware	Survey of Plant Parasitic Nematodes in Mid-Atlantic Cornfields & Evaluation of Nematicide Control Methods	\$0	\$0	\$9,053
94	2022-02-12-88	University of Delaware	University of Delaware Upward Bound Program	\$333,394	\$0	\$0
95	2022-02-12-89	University of Delaware	Broadening the Reach of Bioinformatics and Data Science Training Through Cloud-Enabled Learning Modules for Microbial and Viral Community Analysis	\$64,734	\$0	\$0
96	2022-02-12-90	University of Delaware	Wide SWIR Waveband InGaAsSb Structure Development	\$0	\$0	\$59,687
97	2022-02-12-91	University of Delaware	Localized Biofactor Delivery from Mechano-Active Scaffolds to Promote Annulus Fibrosus Repair	\$0	\$0	\$157,525
98	2022-02-12-92	University of Delaware	Influence of Institutional Policies on Provider Biases in Medical Decision Making and Disparities in Care	\$40,000	\$0	\$0
99	2022-02-12-93	University of Delaware	Sleep and Stress in Families with Socioeconomic Disadvantage: A Snapshot of Daily Life	\$0	\$0	\$25,000
100	2022-02-12-94	University of Delaware	Integrated GeSn Photodetectors on Si for MWIR FPAs	\$0	\$0	\$34,040
101	2022-02-12-95	University of Delaware	Determinants of Injury Severity and Recovery for Insertional Achilles Tendinopathy	\$2,485,327	\$0	\$0
102	2022-02-12-96	University of Delaware	Sedentary Behavior in Knee Osteoarthritis: A Nationwide Internet-Based Cohort Study	\$2,170,445	\$0	\$0
103	2022-02-12-97	University of Delaware	Fatigability and Biomechanical Mechanisms of Increased Fall Risk in People with Knee Osteoarthritis	\$275,000	\$0	\$0
104	2022-02-12-98	University of Delaware	Interactions and Aggregation of Fc-Fusion Proteins	\$0	\$0	\$31,250
105	2022-02-12-99	University of Delaware	Assessing the Need for an Evidence-Based Parenting Intervention for Foster Families Caring for Young Children in Spain	\$0	\$0	\$7,250
106	2022-02-13-01	University of Delaware	Adapting and Early Home Visiting Intervention to Support Families Separated at the Border	\$0	\$0	\$7,356
107	2022-02-13-02	University of Delaware	Evaluation of FHB Management Strategies in DE Following the MGMT Protocol	\$64,594	\$0	\$0
108	2022-02-13-03	University of Delaware	Mechanisms of Sex Differences in Neonatal Pulmonary Oxygen Toxicity	\$0	\$0	\$97,625
109	2022-02-13-04	University of Delaware	ATC-150-2 Improving the Nation's Lifelines Infrastructure to Achieve Seismic Resilience	\$0	\$0	\$22,198
110	2022-02-13-05	University of Delaware	Attachment A - Year 4 - Investigations of Hydrocarbon Reservoirs Through Metagenomics and Biological Methane Oxidation	\$0	\$0	\$160,257
111	2022-02-13-06	University of Delaware	R11 Track-2 FEC: Addressing Genetic and Epigenetic (AGE) Barriers to Continuous Mammalian Cell Biomanufacturing	\$5,150,575	\$0	\$0
112	2022-02-13-07	University of Delaware	Promoting Natural Suppression of Slugs by Nematodes in No-Till Corn	\$0	\$0	\$14,878
113	2022-02-13-08	University of Delaware	Social Vocalization and Neuroanatomy in a Genetic Mouse Model of Stuttering	\$275,000	\$0	\$0
114	2022-02-13-09	University of Delaware	Development of an Efficient 18F Labeling Technology Based on Tetrazine Trans-Cyclooctene Ligation	\$0	\$0	\$501,770
115	2022-02-13-10	University of Delaware	Natural Product Inspired Cancer Therapeutics	\$1,250,000	\$0	\$0
116	2022-02-13-11	University of Delaware	Accessing Powerful New Chemistries for Biocatalysis from Environmental Microbes	\$0	\$0	\$99,999

2/17/2022



**Delaware State Clearinghouse Committee**  
**March Agenda**  
**Meeting to be Held Virtually - Meeting Information/Instructions Attached**  
**Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**Rescheduled Date: March 21, 2022 @ 10:00am**

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
<b>New Business*</b>									
1	<a href="#">5275</a>	Department of Health and Social Services, Division of Aging and Adults with Disabilities, Community Services	Expanding the Public Workforce for Aging - ARP COVID-19	\$78,610	\$0	\$0	0.00	0.00	0.00
2	<a href="#">5262</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	W-57-R-1 Furbearers, Quail, and Small Game	\$363,789	\$122,266	\$0	0.00	0.04	0.00
3	<a href="#">5269</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	NOAA-S6-08 Monitoring Atlantic Sturgeon	\$771,947	\$231	\$85,763	0.00	0.00	0.00
4	<a href="#">5273</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-89-D-1 Fisheries Research Vessel Boat Dock	\$414,159	\$138,055	\$0	0.00	0.09	0.00
5	<a href="#">5274</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Parks and Recreation	State Park Campground Design and Engineering - ARP COVID-19	\$3,212,400	\$803,100	\$0	0.00	0.00	0.00
6	<a href="#">5296</a>	Department of Agriculture, Animal Health	Avian HPAI H5 Emergency Disease Response Activities	\$1,787,988	\$0	\$0	0.00	0.00	0.00
7	<a href="#">5299</a>	Delaware National Guard	River Road Training Site National Guard Readiness Center (MILCON)	\$16,000,000	\$8,700,000	\$0	0.00	0.00	0.00
8	<a href="#">2022-01-28-01</a>	Department of Education, Caesar Rodney School District	School Violence Prevention Program	\$433,493	\$144,497	\$0	0.00	0.00	0.00
<b>Continued</b>									
1	<a href="#">5239</a>	Department of Health and Social Services, Social Services	Refuge Cash and Medical Assistance Program	\$114,675	\$0	\$0	0.00	0.00	0.00
2	<a href="#">2022-01-26-03</a>	Department of Health and Social Services, Substance Abuse and Mental Health	Transformation Transfer Initiative	\$0	\$0	\$250,000	0.00	0.00	0.00
3	<a href="#">5213</a>	Department of Health and Social Services, Public Health, Community Health	National Cancer Prevention and Control Program	\$3,212,060	\$1,210,782	\$0	10.80	2.80	0.00
4	<a href="#">5232</a>	Department of Health and Social Services, Public Health, Community Health	National and State Tobacco Control Program	\$991,511	\$0	\$0	5.00	0.00	0.00
5	<a href="#">4265 Amendment</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-47-R-30 Anadromous Species Investigations	\$345,000	\$115,000	\$0	0.89	1.27	0.00
6	<a href="#">5113</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Division of Watershed Stewardship	Water Pollution Control Grant	\$3,669,150	\$774,690	\$0	5.25	1.70	0.00
7	<a href="#">5266</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	Particulate Matter 2.5 - Air Quality Monitoring	\$507,936	\$0	\$0	1.50	0.00	0.00
8	<a href="#">5268</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	NOAA-S6-07 Atlantic Sturgeon Nursery Habitat	\$124,527	\$13,836	\$0	0.30	0.04	0.00
9	<a href="#">5276</a>	Department of Agriculture, Animal Health	Umbrella National Surveillance	\$245,235	\$0	\$0	0.00	0.00	0.00
<b>Higher Education</b>									
1	2022-02-05-05	Delaware State University	Interdisciplinary Health Equity Research (IHER) Center	\$18,376,857	\$0	\$0			
2	2022-02-05-06	Delaware State University	The Delaware Center for Health Research	\$10,809,353	\$0	\$0			
3	2022-02-05-07	Delaware State University	R1-Track2 FEC: Genetic and Epigenetic Barriers to Continuous	\$821,665	\$0	\$0			
4	2022-03-05-01	Delaware State University	Training and Partnership in Data Science for Advancing Research in Biomolecular Detection	\$584,972	\$0	\$0			
5	2022-03-05-02	Delaware State University	Code Differently High School Software Development Pipeline Program	\$59,495	\$0	\$0			

6	2022-03-05-03	Delaware State University	Collaborative Research: Fabrication of Potentionmetric Sensor and Applications for Carbonate Ion Detention in the Ocean	\$218,711	\$0	\$0
7	2022-03-05-05	Delaware State University	Delaware State University's Navy-JROTC Summer Flight Academy	\$481,849	\$0	\$0
8	2022-03-05-06	Delaware State University	STEM Tracks to Advance Nurture & Develop Undergraduate Professionals (STAND UP)	\$784,890	\$0	\$0
9	2022-03-05-07	Delaware State University	Racism as an Epigenetic Modifier: Association with Telomere Length in Black Adolescents and Youth	\$32,986	\$0	\$0
10	2022-03-05-08	Delaware State University	An Analysis of the Buyer-Seller Relationship in Technology Transfer: The Role of Neuroscience	\$405,250	\$0	\$0
11	2022-03-12-01	University of Delaware	New Methods for Nondestructive Microanalysis of Archaeological Ceramic Surfaces for Anthropological and Conservation Research	\$15,000	\$0	\$0
12	2022-03-12-02	University of Delaware	FTICR-MS Enabled Advanced Separation and Profiling of Organophosphorus Compounds	\$282,619	\$0	\$0
13	2022-03-12-03	University of Delaware	Packaging High Temperature Electronics for Harsh Flight Environments	\$0	\$0	\$32,411
14	2022-03-12-04	University of Delaware	Evaluation of Engineered Bacteriophage Containment Strategies	\$0	\$0	\$138,489
15	2022-03-12-05	University of Delaware	Acquisition of Goods and Services	\$8,182	\$0	\$0
16	2022-03-12-06	University of Delaware	An AMBIC Toolkit for Targeted Integration and Victor Optimization	\$0	\$0	\$40,500
17	2022-03-12-07	University of Delaware	Probing Antibiotic Surviving Bacterial Populations	\$0	\$0	\$362,358
18	2022-03-12-08	University of Delaware	GCR: Collaborative Research: Micro-Robo-Genetics for Programmable Organoid Formation	\$830,879	\$0	\$0
19	2022-03-12-09	University of Delaware	SCC-IRG Track 1: Enhancing Safety, Equity, Accessibility, and Acceptance of Autonomous Sustainable Shuttles for Underserved Populations	\$1,215,865	\$0	\$0
20	2022-03-12-10	University of Delaware	2022 Chesapeake Bay Bowl	\$0	\$0	\$6,503
21	2022-03-12-11	University of Delaware	Collaborative Research: Swash Zone Dynamics Driven by Obliquely Incident Waves	\$419,929	\$0	\$0
22	2022-03-12-12	University of Delaware	Bacterial Utilization of the Organosulfur Compound Dimethylsulfoniopropionate (DMSP) as an Abiotic Stress Protectant	\$494,478	\$0	\$0
23	2022-03-12-13	University of Delaware	Roles and Interplay of the Multiple Processes Underlying Sensorimotor Adaptation	\$1,339,463	\$0	\$0
24	2022-03-12-14	University of Delaware	Adolescent Medicine Trials Network for HIV/AIDS Interventions (ATN) Scientific Leadership Center	\$0	\$0	\$103,074
25	2022-03-12-15	University of Delaware	POLISEA: Coastal Communities and Marine Industries: Evaluating, Comparing, and Informing Policies to Enable Sustainable Sea Space Use	\$0	\$0	\$41,797
26	2022-03-12-16	University of Delaware	Optimizing Light Quality and Intensity for Efficient Pepper Cultivation in Space	\$100,000	\$0	\$0
27	2022-03-12-17	University of Delaware	Mitigating Low Humidity Stress of Space-grown Leafy Greens with Far-Red Light	\$50,000	\$0	\$0
28	2022-03-12-18	University of Delaware	Urol: En: Rules Governing Urban Plant-Soil Feedbacks in Changing Climates are Driven by Socio-Ecological Networks	\$0	\$0	\$483,547
29	2022-03-12-19	University of Delaware	Uptit/Nida Improving Racial Equity in Opioid Use Disorder Treatment in Medicaid	\$0	\$0	\$100,515
30	2022-03-12-20	University of Delaware	Uol Finance Laux Bloomberg FY22	\$0	\$0	\$5,384
31	2022-03-12-21	University of Delaware	High Performance W-Band GaN Power Amplifiers for Cloud Doppler Radar Arrays	\$536,130	\$0	\$0
32	2022-03-12-22	University of Delaware	Assessing Equality in Urban Green Space Access in Four Major US Cities: A Naip-Landsat Data Fusion Approach	\$100,000	\$0	\$0
33	2022-03-12-23	University of Delaware	Building West African Land Use Inventory: A Novel Crop Type Dataset Based on a New Robust Ensemble Thresholding (RET) Technique	\$150,000	\$0	\$0
34	2022-03-12-24	University of Delaware	Collaborative Research: NRI: Human-in-the-Loop Architecture of Agile Robotic Prostheses for Real-World Mobility Over Dynamic Terrains	\$323,898	\$0	\$0
35	2022-03-12-25	University of Delaware	Upward Bound Math & Science Year 5	\$313,778	\$0	\$0
36	2022-03-12-26	University of Delaware	Measuring Workplace Inclusion for Autistic Employees and the Connections to Mental Health	\$184,174	\$0	\$0
37	2022-03-12-27	University of Delaware	Responsible AI to Combat Childhood Obesity	\$2,580,920	\$0	\$0
38	2022-03-12-28	University of Delaware	Inquiry-Based Aquatic Soft Robotics STEM Kit	\$0	\$0	\$62,565
39	2022-03-12-29	University of Delaware	Collaborative Research: Leveraging Simulations in Preservice Preparation to Improve Mathematics Teaching for Students with Disabilities	\$0	\$0	\$29,629
40	2022-03-12-30	University of Delaware	Logic-Gated Pro-Mmp Activation for Tumor-Specific Motility in Nanocarriers	\$331,612	\$0	\$0
41	2022-03-12-31	University of Delaware	Support Various Kids Count Activities	\$0	\$0	\$78,261
42	2022-03-12-32	University of Delaware	Elucidating the Role of Cardiac Hsp90β in Calcium Regulation and ER Stress	\$0	\$0	\$272,727

43	2022-03-12-33	University of Delaware	Shark- Aquatic Soft Robotic STEM Education Kit	\$0	\$0	\$43,652
44	2022-03-12-34	University of Delaware	Wafer-Scale Growth of Site-Determined Wavelength-Tunable Quantum Emitters in Atomically-Thin (2D) Semiconductors	\$0	\$0	\$95,000
45	2022-03-12-35	University of Delaware	Armada: Advancing Reliable Measurement in Alzheimer's Disease and Cognitive Aging	\$0	\$0	\$15,636
46	2022-03-12-36	University of Delaware	Collaborative Research: Synthetic Methane Fixation Cascades Based on Engineered Membrane Vesicles for Biofuel Cell Applications	\$165,320	\$0	\$0
47	2022-03-12-37	University of Delaware	NRI: Addressing Safe Interaction Between Autonomous and Human-Driven Vehicles	\$308,765	\$0	\$0
48	2022-03-12-38	University of Delaware	Carbon-Neutral Production of Liquid Solar Fuels by Hybrid Catalytic Conversion of Co2 and Water Via Tunable Syngas	\$0	\$0	\$0
49	2022-03-12-39	University of Delaware	Beeswax Shipwreck Mapping Project	\$0	\$0	\$10,633
50	2022-03-12-40	University of Delaware	Supplement to "Development of Stable Fluorinated Anion Exchange Membrane"	\$0	\$0	\$108,592
51	2022-03-12-41	University of Delaware	CISE-MSI: DP: III: Training and Partnership in Data Science for Advancing Research in Biomolecular Detection	\$0	\$0	\$72,320
52	2022-03-12-42	University of Delaware	Boserup Vs. Borlaug: Land System Dynamics, Changing Drivers, and Implications for Future Water Sustainability in South Asia	\$1,780,364	\$0	\$0
53	2022-03-12-43	University of Delaware	Improving Hydration and Safety in the Fire Service with the FireH2O: A Novel, Firefighter Hydration Monitoring System	\$1,170,980	\$0	\$0
54	2022-03-12-44	University of Delaware	Harnessing Web and Laboratory Data for Large-Scale Fall Modeling in Free-Living Environments.	\$302,522	\$0	\$0
55	2022-03-12-45	University of Delaware	Collaborative Research: The Heated Wind-and Wave-Driven Ocean Surface Boundary Layer: Synergetic Analyses of Observations and Simulations	\$263,589	\$0	\$0
56	2022-03-12-46	University of Delaware	OES Equity Fellow Jennifer Daniels Part 2	\$8,505	\$0	\$0
57	2022-03-12-47	University of Delaware	Community Facility Support: Access, Support and Training for Earth-Science Research at Synchrotrons (ASTERS)	\$0	\$0	\$783,066
58	2022-03-12-48	University of Delaware	Collaborative Research: NNA Incubator: Sustainable Transitions Through Arctic Redevelopment (STAR)	\$90,582	\$0	\$0
59	2022-03-12-49	University of Delaware	Single Molecule Imaging of Sorting, Transport and Fate of RNA Cargo in the Extracellular Vesicles	\$673,369	\$0	\$0
60	2022-03-12-50	University of Delaware	Collaborative Research: Fabrication of Potentiometric Sensors and Applications for Carbonate Ion Detection in the Ocean	\$102,512	\$0	\$0
61	2022-03-12-51	University of Delaware	Benthic Exchange Through Migrating Bedforms: Investigating Controls and Feedbacks on Coupled Fluxes	\$321,041	\$0	\$0
62	2022-03-12-52	University of Delaware	STEEP-CF: Storm Treatment Effects on Ecosystem Processes of Coastal Forests	\$768,193	\$0	\$0
63	2022-03-12-53	University of Delaware	Testing a Perception-Based Model of Racial Bias in Pain Care Decisions	\$297,577	\$0	\$0
64	2022-03-12-54	University of Delaware	Ucedd Public Health Workforce	\$113,889	\$0	\$0
65	2022-03-12-55	University of Delaware	Towards Ocean Systems Analysis of Semi-Enclosed Basins	\$336,342	\$0	\$0
66	2022-03-12-56	University of Delaware	URoI:EN: Soil as a Living System: Biophysical Feedbacks Shape Biological Functions Across Scales	\$0	\$0	\$366,987
67	2022-03-12-57	University of Delaware	Office of Education - Student Support Services Program - 2021-2021	\$323,568	\$0	\$0
68	2022-03-12-58	University of Delaware	Longitudinal Changes in Service Patterns and Developmental/Other Outcomes in Children with Autism Spectrum Disorder During the Pandemic	\$1,993,211	\$0	\$0
69	2022-03-12-59	University of Delaware	Using Newly Developed and Low-Cost Optical Tools to Improve the Efficacy of Coral Restoration Practices Within the Florida Keys	\$0	\$0	\$128,320
70	2022-03-12-60	University of Delaware	HADLI - Harmful Algal Detection Live Indicator for Management and Public Safety	\$0	\$0	\$39,063
71	2022-03-12-61	University of Delaware	Sustainable Preparation of Advanced Titanium Materials Using Electrochemically-Active Templates	\$0	\$0	\$90,000
72	2022-03-12-62	University of Delaware	T6,08 Textiles for Extreme Surface Environments and High	\$28,125	\$0	\$0
73	2022-03-12-63	University of Delaware	4H Walmart Healthy Habits FY2022	\$0	\$0	\$57,418
74	2022-03-12-64	University of Delaware	Creating a Universal and High-Quality Early Childhood Education System in Delaware: A Study of Parent's Needs and Financial Strategies to Achieve the Goal	\$0	\$0	\$325,371
75	2022-03-12-65	University of Delaware	Sussex County Appropriation for Ag Exp Station Research Fiscal Year 2017	\$0	\$0	\$30,000
76	2022-03-12-66	University of Delaware	Racial Disparities in Pain Care: A Comprehensive Integration of Patient and Provider Level Mechanisms with Dyadic Communication Processes Using a Mixed-Methods Research Design	\$0	\$0	\$521,507
77	2022-03-12-67	University of Delaware	NRI: Adaptive Energy-Aware Legged Robots in the Field	\$635,351	\$0	\$0
78	2022-03-12-68	University of Delaware	Nurses' Rural Health Learning Opportunities Increasing Access Thru Mobile Units, Diversity and Engagement (Nurses ROAM DE)	\$3,847,606	\$0	\$0

79	2022-03-12-69	University of Delaware	Maracoos (Mid-Atlantic IOOSECOA III- The East Coast Ocean Acidification Cruise 2022	\$367,337	\$0	\$0
80	2022-03-12-70	University of Delaware	Training Caregivers of Alzheimer's and Dementia Patients with Mixed Reality Simulation	\$0	\$0	\$24,000
81	2022-03-12-71	University of Delaware	Modulation of Propulsive Force Generation During Walking Practice Post-Stroke	\$0	\$0	\$272,729
82	2022-03-12-72	University of Delaware	Novel Carbon Capture Technologies Employing Waste Heat in Regeneration of Materials Used in Direct Air Capture	\$0	\$0	\$18,751
83	2022-03-12-73	University of Delaware	Utilization of CO2 to Produce Polycarbonate Plastics via Non-Phosgenation Process	\$0	\$0	\$18,751
84	2022-03-12-74	University of Delaware	Hypergraph Learning	\$0	\$0	\$191,386
85	2022-03-12-75	University of Delaware	Multimedia Educational Tools Covering Topics in Ocean Acidification	\$26,886	\$0	\$0
86	2022-03-12-76	University of Delaware	An Equitable Approach to Spatial Learning: Introducing the Pattern Alphabet	\$0	\$0	\$436,711
87	2022-03-12-77	University of Delaware	Evaluating Earlier Planting Dates for Increased Soybean Yields	\$0	\$0	\$5,650
88	2022-03-12-78	University of Delaware	Soybean Row Spacing and Planting Rate Effects on Litter Decomposition	\$0	\$0	\$5,513
89	2022-03-12-79	University of Delaware	Appendix F, CISTO: Computational and Technological Advances for Scientific Discovery Via LiDAR AI/ML Modeling and Development	\$65,174	\$0	\$0
90	2022-03-12-80	University of Delaware	Complete National Register Nomination for Pershing Park and World War I Memorial	\$21,313	\$0	\$0
91	2022-03-12-81	University of Delaware	Collaborative Research: Developing a Method to Discover New Isotope Fingerprints for Organic Phosphorus Cycling in the Environment	\$268,920	\$0	\$0
92	2022-03-12-82	University of Delaware	Rusted Rice: Unraveling Iron-Microbe-Plant Interactions for Sustainable Rice Production	\$609,869	\$0	\$0
93	2022-03-12-83	University of Delaware	Student Research Affiliation and Biomedical Service Agreement	\$0	\$0	\$116,169
94	2022-03-12-84	University of Delaware	HOTNMS: Harnessing Optomechanical Effects for Tailoring Noise Properties of Mechanical Sensors	\$446,999	\$0	\$0
95	2022-03-12-85	University of Delaware	Next Generation Floating Photovoltaic Systems Enabled by Lightweight and Flexible Photovoltaic Modules	\$0	\$0	\$53,538
96	2022-03-12-86	University of Delaware	Temporal Health Correlates of Cannabis Use Among Arizonans: A Pilot Longitudinal Survey of THC in AZ	\$0	\$0	\$48,128
97	2022-03-12-87	University of Delaware	Computational Modeling of Virus Assembly in the Presence of Nucleic Acids, Liquid-Liquid Phase Separation, and Antiviral Drugs	\$0	\$0	\$175,000
98	2022-03-12-88	University of Delaware	An Exergame for Wellbeing and Educational Needs of Older Adults as Caregivers of AD/ADRD	\$0	\$0	\$200,000
99	2022-03-12-89	University of Delaware	Non-Contact Structural Health Monitoring Using W-Band Piezoresistive Metasurfaces	\$0	\$0	\$123,743
100	2022-03-12-90	University of Delaware	Collaborative Research: NRI: Roborganoids: Microrobotics-Enabled Organoid Formation	\$497,407	\$0	\$0
101	2022-03-12-91	University of Delaware	Does Greater Muscle Fatigability During Walking Explain the Increased Fall Risk of Adults with Knee Osteoarthritis?	\$0	\$0	\$4,270
102	2022-03-12-92	University of Delaware	Diabetic Foot Ulcer Management Through MR Elastography, Stress Modeling and Optimal Shoe Insert Design	\$0	\$0	\$125,000
103	2022-03-12-93	University of Delaware	Global Respiration Comparison (ResCom): Evaluation of Satellite Constrained Top-Down and Bottom-Up Respiration Estimates and Their Relationship with Model Simulations	\$0	\$0	\$206,604
104	2022-03-12-94	University of Delaware	Lightweight, Flexible Modules for High-Value Applications	\$0	\$0	\$37,500
105	2022-03-12-95	University of Delaware	Collaborative Research: FW-HTF-R: Future of Construction Workplace Health Monitoring	\$177,169	\$0	\$0
106	2022-03-12-96	University of Delaware	Comparative Effectiveness of Parent Education Programs Aimed at Advancing Motor, Cognitive, and Language Development in Early Childhood	\$2,759,053	\$0	\$0
107	2022-03-12-97	University of Delaware	Acquisition of a MICRON IV Ocular Imaging System	\$248,850	\$0	\$0
108	2022-03-12-98	University of Delaware	Student Research Affiliation and Biomedical Service Agreement	\$0	\$0	\$14,800
109	2022-03-12-99	University of Delaware	Collaborative Research: CPS: Medium: Systems-Level MI Specific Memory Management for Extreme Scale Systems: An Event-Driven Approach	\$112,655	\$0	\$0
110	2022-03-13-01	University of Delaware	Discovery of Chemical Probes and Therapeutic Leads: Cryoprobe Upgrade of a 400 MHz NMR	\$240,446	\$0	\$0
111	2022-03-13-02	University of Delaware	Low Noise Small Pitch Swir Buried Photodiode Imagers	\$0	\$0	\$12,500
112	2022-03-13-03	University of Delaware	Very Large Dynamic Range SWIR/Visible Imager	\$0	\$0	\$12,500
113	2022-03-13-04	University of Delaware	Novel Photovoltaic Technology to Simultaneously Harvest Incoming Solar and Outgoing Thermal Radiation	\$0	\$0	\$25,000
114	2022-03-13-05	University of Delaware	Bone Marrow Concentrate (BMC) as a Novel Treatment for Knee Osteoarthritis (OA): Feasibility Study for a Future Randomized Clinical Trial	\$0	\$0	\$361,692
115	2022-03-13-06	University of Delaware	Establishment of a Chicken 3D Enteroids Model to Study the Effects of Bioactive Compounds on Intestinal Functions	\$0	\$0	\$47,500

116	2022-03-13-07	University of Delaware	Collaborative Research: Chain Transform Fault: Understanding the Dynamic Behavior of a Slow-Slipping Oceanic Transform System	\$309,640	\$0	\$0
117	2022-03-13-08	University of Delaware	Understanding Sleep-Related Pain Over Time and Associated Mechanisms in Later Life	\$2,272,303	\$0	\$0
118	2022-03-13-09	University of Delaware	Laryngeal and Vocal Tract Strategies to Reduce Vocal Fold Contact Pressure	\$0	\$0	\$548,431
119	2022-03-13-10	University of Delaware	Collaborative Research: FW-HTF-R: Supporting Future Crisis Line Work Through the Inclusive Design of Worker-Facing Tools that Empower Self-Management of Wellbeing and Performance	\$256,404	\$0	\$0
120	2022-03-13-11	University of Delaware	4H Walmart Healthy Habits FY2022	\$0	\$0	\$59,400
121	2022-03-13-12	University of Delaware	National Oceanographic Partnership Program (NOPP) Augmented Data Visualization Research & Development Using Cloud-based Systems, Containers, Functions and vNext Display Technologies Expansion	\$309,981	\$0	\$0
122	2022-03-13-13	University of Delaware	Small Innovative Projects in Solar 2022- Concentrating Solar Thermal Power and Photovoltaics	\$187,500	\$0	\$0
123	2022-03-13-14	University of Delaware	In-Situ Hydrogen Microstructural Characterization of Si Heterojunction Passivation: Addressing Voc Degradation and Mitigation Pathways	\$187,500	\$0	\$0
124	2022-03-13-15	University of Delaware	Measuring and Investigating Internet Censorship Through Ground-Truth Based, End-to-End Framework	\$0	\$0	\$57,635
125	2022-03-13-16	University of Delaware	Spatiotemporal Plasma Interactions with Confined Catalyst Pores for Electrified, Modular Methane Dry Reforming	\$0	\$0	\$324,042
126	2022-03-13-17	University of Delaware	Visualization of Economic Damage Thresholds and Interaction of Nematode Populations Following Use of Winter Cover Crops	\$0	\$0	\$5,818
127	2022-03-13-18	University of Delaware	Neuromechanical Mechanisms of Achilles Tendinopathy Progression	\$0	\$0	\$231,055

3/3/22

**Delaware State Clearinghouse Committee**  
**April Agenda**  
Meeting to be Held Virtually - Anchor Location 122 Martin Luther King Jr Blvd S, Haslet Armory, Dover, DE 19901  
**April 19, 2022 @ 10:00am**

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Federal</i>	<i>Positions State</i>	<i>Other</i>
<b>New Business*</b>									
1	<a href="#">5280</a>	Department of Health and Social Services, Public Health, Community Health	Harm Reduction	\$400,000	\$0	\$0	0.10	0.00	0.00
2	<a href="#">5317</a>	Department of Labor, Unemployment Insurance	Fraud Detection and Prevention - ARP COVID-19	\$1,228,000	\$0	\$0	0.00	0.00	0.00
<b>Continued</b>									
1	<a href="#">5222</a>	Department of Health and Social Services, Public Health, Community Health	Personal Responsibility Education Program	\$250,000	\$0	\$0	0.00	0.00	0.00
2	<a href="#">5235</a>	Department of Health and Social Services, Public Health, Community Health	Improving the Health of Americans through Prevention and Management of Diabetes and Heart Disease and Stroke	\$1,888,596	\$0	\$0	5.05	0.00	0.00
3	<a href="#">5237</a>	Department of Health and Social Services, Public Health, Community Health	Maternal, Infant & Early Childhood Home Visiting Supplement - ARP COVID-19	\$695,572	\$0	\$0	0.00	0.00	0.00
4	<a href="#">5282</a>	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment and Training - Operations	\$244,860	\$244,860	\$0	0.00	0.00	0.00
5	<a href="#">5283</a>	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment and Training - Administration	\$207,005	\$0	\$0	0.67	0.00	0.00
6	<a href="#">5285</a>	Department of Health and Social Services, Public Health, Community Health	Public Health Crisis Response	\$5,000,000	\$0	\$0	0.00	0.00	0.00
7	<a href="#">5286</a>	Department of Health and Social Services, Public Health, Community Health	Strategic Prevention Framework for Prescription Drugs	\$384,000	\$0	\$0	0.20	0.00	0.00
8	<a href="#">5288</a>	Department of Health and Social Services, Public Health, Community Health	Milk and Shellfish Grant Program	\$4,492	\$0	\$0	0.00	0.00	0.00
9	<a href="#">5289</a>	Department of Health and Social Services, Public Health, Community Health	State Office of Rural Health	\$223,410	\$1,127,972	\$0	1.25	0.00	0.00
10	<a href="#">5291</a>	Department of Health and Social Services, State Service Centers	Foster Grandparent Program Grant	\$576,090	\$576,090	\$0	0.50	0.50	0.00
11	<a href="#">5302</a>	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment and Training - Participation Reimbursement	\$58,515	\$58,515	\$0	0.00	0.00	0.00
12	<a href="#">5319</a>	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - ARP COVID-19	\$995,821	\$0	\$0	0.00	0.00	0.00
13	<a href="#">5287</a>	Department of Services for Children, Youth and Their Families, Division of Management and Support Services, Family Services, Intervention/Treatment	Title IV-E Kinship Navigator Program	\$208,756	\$0	\$0	0.00	0.00	0.00
14	<a href="#">5278</a>	Department of Agriculture, Animal Health	Animal Disease Traceability	\$6,146	\$0	\$0	0.00	0.00	0.00
<b>Higher Education</b>									
1	2021-11-06-30 Amendment	Delaware State University	Strategies to Effectively Promote Vaccination for Universal Coverage Project (STEP-For-U Project): Social Capital, Health Literacy	\$203,698	\$0	-\$203,698			
2	2022-04-02-01	Delaware State University	Joint-Program to Promote the State of Delaware to Attract International Students	\$1,700,000	\$0	\$0			
3	2022-04-02-02	Delaware State University	H-1B Workforce Grant Program	\$9,193,902	\$0	\$0			
4	2022-04-02-03	Delaware State University	Innovation Lab on Sustainable Intensification	\$241,250	\$0	\$0			
5	2022-04-02-04	Delaware State University	Acetylcholinergic Neurotransmission During Aging	\$92,952	\$0	\$0			
6	2022-04-02-05	Delaware State University	UCLA-DSU Summer Enrichment Neuroscience Experience	\$237,557	\$0	\$0			
7	2022-04-02-06	Delaware State University	High-Efficiency, Zero Emissions MW-Assisted Catalysis for Hydrogen and Chemicals	\$74,761	\$0	\$0			

8	2022-04-02-07	Delaware State University	Developing Integrated Evaluation Capacity for DSU RISE Programs	\$96,210	\$0	\$0
9	2022-04-02-08	Delaware State University	Broadening Participation in the Natural Sciences Through a Training Program in Field Ornithology	\$204,640	\$0	\$0
10	2022-04-02-09	Delaware State University	"Building STEAM at DSU" STEM Experiential, Academic, and Mentoring Pilot Program at Delaware State University	\$826,876	\$0	\$0
11	2022-04-02-10	Delaware State University	Champlain Hudson Power Express- Sturgeon Monitoring Study	\$581,888	\$0	\$581,888
12	2022-04-09-01	University of Delaware	Collaborative Research: Stemflow and Solute Transport Across Spatial Scales: From Fine-Grained Representation to Stand Structure	\$185,911	\$0	\$0
13	2022-04-09-02	University of Delaware	Collaborative Research: FW-HTF-P: Future of Geriatric Care: Immersive Virtual Patient Training for Nursing Assistants	\$18,750	\$0	\$0
14	2022-04-09-03	University of Delaware	Collaborative Research: FW-HTF-P: Reducing Finished-Product Waste Through Augmented Design Intelligence	\$11,880	\$0	\$0
15	2022-04-09-04	University of Delaware	Multiscale Tendon Damage and Aberrant Cellular Responses in an in Vivo Model of Tendinosis	\$1,783,209	\$0	\$0
16	2022-04-09-05	University of Delaware	Pearls for the Crown: Art, Nature, and Empire in Early Modern Spain and Beyond, 1498-1728	\$0	\$0	\$15,000
17	2022-04-09-06	University of Delaware	Live and Continuous Monitoring of Metal Cylinders and Tanks Using Distributed Carbon Nanomaterial-Based Sensing Networks	\$0	\$0	\$42,533
18	2022-04-09-07	University of Delaware	Monolithically Integrated CMOS-RRAM Neuromorphic System on a Chip for Real-Time Cognition	\$0	\$0	\$397,755
19	2022-04-09-08	University of Delaware	NSF/MCB-BSF: Elucidating Cell-State Dynamics Driving Antiviral Responses in Single Cells	\$221,317	\$0	\$0
20	2022-04-09-09	University of Delaware	3D Printed Carbon Negative Wood-Plastics from Air	\$0	\$0	\$689,724
21	2022-04-09-10	University of Delaware	Tuff Thermoplastic Composites for Navy Platforms Phase II	\$8,306,190	\$0	\$0
22	2022-04-09-11	University of Delaware	Complex Network Analysis of Water Cycle and Extreme Events and Their Future Changes	\$0	\$0	\$138,558
23	2022-04-09-12	University of Delaware	The Impact of Disease Progression on the Integrity of the Motor Brain Circuitry in Parkinson's Disease	\$0	\$0	\$74,181
24	2022-04-09-13	University of Delaware	Dopaminergic Modulation of Motor Network Activity in Parkinson's Disease: A Multimodal MRI Study	\$0	\$0	\$74,843
25	2022-04-09-14	University of Delaware	Biological Control of Invasive Insects Such as Brown Marmorated Stink Bug, Spotted Lanternfly and Spotted Wing Drosophila	\$9,091	\$0	\$0
26	2022-04-09-15	University of Delaware	Text Mining and Information Retrieval and Extraction	\$0	\$0	\$236,753
27	2022-04-09-16	University of Delaware	Appendix G, SMD Astrophysics: Enhanced Detection of Cosmic Rays by Radio Probes	\$65,725	\$0	\$0
28	2022-04-09-17	University of Delaware	PFI:BIC - ASPIRE: Hierarchical Control of a Smart Ankle-Foot Prosthesis That Supports Increased Mobility for Real-Life Activities	\$16,000	\$0	\$0
29	2022-04-09-18	University of Delaware	Building the Knowledge Base for Research Brokerage in Education	\$0	\$0	\$34,993
30	2022-04-09-19	University of Delaware	Understanding and Promoting Cometabolic and Abiotic Oxidation of 1,4-Dioxane and Chlorinated VOCs in Contaminated Groundwater	\$0	\$0	\$183,752
31	2022-04-09-20	University of Delaware	Decoding the Unifying Microbial Metabolic Controllers on Soil Carbon Cycling Across Freshwater Wetlands.	\$0	\$0	\$171,678
32	2022-04-09-21	University of Delaware	Electro-Optic Photonic Integrated Circuits in Thin Lithium Niobate	\$0	\$0	\$39,063
33	2022-04-09-22	University of Delaware	Intact Fiber: An Application Programming Interface for the Design, Simulation, and Optimization of Tow-Steered Composites	\$0	\$0	\$31,248
34	2022-04-09-23	University of Delaware	Developing Integrated Evaluation Capacity for DSU RISE Programs	\$0	\$0	\$7,124
35	2022-04-09-24	University of Delaware	EFRI ELIS Preliminary Proposal: Self Cleaning Infrastructure: Engineered Concrete Ecosystems for Hydrocarbon and Oil Remediation Across Years (SCIENCE HOORAY)	\$1,320,888	\$0	\$0
36	2022-04-09-25	University of Delaware	Pulse Electricity: A Non-Chemical Approach for the Management of Nematodes, Pathogens, and Weeds in Nurseries	\$0	\$0	\$73,862
37	2022-04-09-26	University of Delaware	Uniprot Protein Sequence and Function Embeddings for AI/Machine Learning Readiness - Supplement Request 2022	\$0	\$0	\$68,000
38	2022-04-09-27	University of Delaware	PPARG as a Key Regulator of Sex-Based Differences in Bronchopulmonary Dysplasia	\$5,000	\$0	\$0
39	2022-04-09-28	University of Delaware	Appendix E, Marshall Space Flight Center (MSFC): Designing 3D-Printable Multicrystalline Ceramic Architected Nuclear Fuels	\$59,896	\$0	\$0
40	2022-04-09-29	University of Delaware	Appendix H, NASA SMD Planetary Science Division: Maneuverable Venus Aerobot for Long-Duration Middle Atmosphere Exploration	\$93,000	\$0	\$0
41	2022-04-09-30	University of Delaware	Appendix I, Commercial Space Capabilities (CSC) Research: Small Reentry System for Commercial Payload Return	\$93,000	\$0	\$0
42	2022-04-09-31	University of Delaware	C-H Functionalization of Aromatic Polymers by Thianthreneation	\$0	\$0	\$110,000
43	2022-04-09-32	University of Delaware	Tunable Colloidal Clusters Using Active Colloids	\$0	\$0	\$110,000
44	2022-04-09-33	University of Delaware	Multi-Year, Multi-Partner, Multi-Objective Underwater Innovation Study Croatian Supplement	\$0	\$0	\$116,225

45	2022-04-09-34	University of Delaware	Appendix C, Ochmo and Human Research Program/Space Radiation Element: Parastronaut Space Suit & Vehicle Interface Performance Studies	\$85,906	\$0	\$0
46	2022-04-09-35	University of Delaware	LTER: Ecological Response and Resilience to Press-Pulse Disturbances and a Recent Decadal Reversal in Sea Ice Trends Along the West Antarctic Peninsula	\$0	\$0	\$388,224
47	2022-04-09-36	University of Delaware	Effects of Embodied Rhythm Interventions on Motor Function, Social Communication, Behavioral-Affective, and Cognitive Skills of Children with ASD	\$3,215,330	\$0	\$0
48	2022-04-09-37	University of Delaware	Delaware Center for Musculoskeletal Research, Administrative Supplement for Equipment	\$249,183	\$0	\$0
49	2022-04-09-38	University of Delaware	Flowsheet Model Development for Isolate Plasma Components	\$0	\$0	\$65,175
50	2022-04-09-39	University of Delaware	Californium Highly Charged Ion Clocks for New Physics	\$0	\$0	\$169,719
51	2022-04-09-40	University of Delaware	Supplement: Collaborative Research: Understanding Relationships Between Synthesis, Structure, Solid-State Electrochemistry, and Phase Stability in Clathrates and Related Materials.	\$4,000	\$0	\$0
52	2022-04-09-41	University of Delaware	Investigating Interaction Partners of the MDV Oncoprotein, Meq with Host DNA-Repair Machinery	\$0	\$0	\$1,000
53	2022-04-09-42	University of Delaware	Transgelin as a Regulator of Epithelial to Mesenchymal Transition in Secondary Cataracts	\$0	\$0	\$2,464
54	2022-04-09-43	University of Delaware	Studying Host-Pathogen Interaction of Poultry Bacteria Infectious Disease and the Mechanism of Action of Antibiotics and Antibiotic Alternatives	\$0	\$0	\$83,120
55	2022-04-09-44	University of Delaware	Genomic Surveillance of SARS-CoV-2 in the State of Delaware	\$500,000	\$0	\$0
56	2022-04-09-45	University of Delaware	Study of Regolith Composites for Three-Dimensional Printing of Electronics	\$65,181	\$0	\$0
57	2022-04-09-46	University of Delaware	Search for and Area Documentation for a WWII Loss Near Kennebunkport, ME	\$0	\$0	\$152,641
58	2022-04-09-47	University of Delaware	Development of High-Speed Energy Storage Device Technology Using Doped Graphene for Sodium-Ion Batteries (SIBS)	\$0	\$0	\$16,363
59	2022-04-09-48	University of Delaware	High Performance Temperature Compensated Voltage Regulators Using Gan-On-Si High Electron Mobility Transistors for Space Power and RF Communications	\$375,447	\$0	\$0
60	2022-04-09-49	University of Delaware	Collaborative Research: Scalable Manufacturing Platform for Area-Selective Atomic Layer Deposition	\$282,012	\$0	\$0
61	2022-04-09-50	University of Delaware	Collaborative Research: ISS: Gravitational Effects in VDW Epitaxy of Crystalline Polymer on Graphene	\$78,017	\$0	\$0
62	2022-04-09-51	University of Delaware	2022-2023 4H Health Habits-Regional Coach	\$0	\$0	\$5,400
63	2022-04-09-52	University of Delaware	Modulation of Propulsive Force Generation During Walking Practice After Stroke	\$275,001	\$0	\$0
64	2022-04-09-53	University of Delaware	Educational Affiliation and Biomedical Services	\$0	\$0	\$17,280
65	2022-04-09-54	University of Delaware	Acquisition of Goods and Services	\$5,000	\$0	\$0
66	2022-04-09-55	University of Delaware	BCSER: Investigating Relations Among Elementary Teachers' Mathematics Emotions and Beliefs, Mathematics Instructional Practices and Students' Mathematics Achievement	\$225,864	\$0	\$0
67	2022-04-09-56	University of Delaware	Multi Quantum Well Avalanche Photodiodes for 2.04 um Detection	\$0	\$0	\$51,250
68	2022-04-09-57	University of Delaware	Duckweed and Sorghum Development and Abiotic Stress Responses: From Single Cell to Whole Organism	\$0	\$0	\$299,322
69	2022-04-09-58	University of Delaware	Threatened Resource Documentation, and Resource Digitization FY 2021	\$0	\$0	\$13,346
70	2022-04-09-59	University of Delaware	Bio-Recycling of Polystyrene with Parallel Carbon Dioxide Sequestration (BRICS)	\$0	\$0	\$646,599
71	2022-04-09-60	University of Delaware	Collagen-Mediated Approaches to Improve the Local Delivery and Hypothermic Release of Osteoarthritis Therapeutics	\$2,293,515	\$0	\$0
72	2022-04-09-61	University of Delaware	The Delaware Stuttering Project: Implementing an Avoidance-Reduction Treatment Approach	\$0	\$0	\$25,000
73	2022-04-09-62	University of Delaware	Design and Synthesis of Metal Chalcogenide Carrier-Selective Transport Layers for Si Solar Cells	\$190,065	\$0	\$0
74	2022-04-09-63	University of Delaware	The Relationship Between Child Language Proficiency and Language of Treatment on the Outcomes of Bilingual Children with Developmental Language Disorder	\$0	\$0	\$700,665
75	2022-04-09-64	University of Delaware	Risk Reduction and Pollution Mitigation of the Bikini Atoll World Heritage Site Sunken Fleet	\$0	\$0	\$80,453
76	2022-04-09-65	University of Delaware	Next Generation Hybrid Heterojunction Solar Cells Enabling TW Scale Deployment	\$194,007	\$0	\$0
77	2022-04-09-66	University of Delaware	Studying Host-Pathogen Interaction of Poultry Bacteria Infectious Disease and the Mechanism of Action of Antibiotics and Antibiotic Alternatives	\$0	\$0	\$91,450
78	2022-04-09-67	University of Delaware	Collaborative Research: Bccp-Implementation: Assessing the Influence of Traits, Environment, and Anthropogenic Context on the Ability of Trees to Support Arthropod Biodiversity	\$739,376	\$0	\$0



79	2022-04-09-68	University of Delaware	Examining the Role of Central Sensitization with Aging: An Investigation of Older Adults with and Without Chronic Low Back Pain	\$133,655	\$0	\$0
80	2022-04-09-69	University of Delaware	Collaborative Research: NSF/MCB: Repurposing Metabolite-Responsive Aptamers for Dynamic Control of Cas6-Mediated Metabolon Assembly	\$391,053	\$0	\$0
81	2022-04-09-70	University of Delaware	NSF Ipa Liaw	\$178,381	\$0	\$0
82	2022-04-09-71	University of Delaware	Assessment of Biochar Amended to Soils in Howard County, MD	\$0	\$0	\$16,186
83	2022-04-09-72	University of Delaware	Surveying Tidal Marsh Bird and Vegetation Communities in the Northeast	\$0	\$0	\$27,344
84	2022-04-09-73	University of Delaware	Enabling Transformational Genome Engineering of Clostridium Organisms	\$17,331,383	\$0	\$0
85	2022-04-09-74	University of Delaware	A Comprehensive Deep Learning System for Multimodal Hidden Targets Detection	\$993,255	\$0	\$0
86	2022-04-09-75	University of Delaware	The Role of Potassium Supplementation on Endothelial Function, BP Regulation, and Oxidative Stress Under High Sodium Conditions	\$205,410	\$0	\$0
87	2022-04-09-76	University of Delaware	Phase III Biochar Amendment of Highway Greenspace Study MOU	\$0	\$0	\$50,973
88	2022-04-09-77	University of Delaware	Can Leaf Area Index Measurement Improve Sensor-Based Nitrogen Recommendations and Plant Biomass Predictions for Corn?	\$0	\$0	\$13,235
89	2022-04-09-78	University of Delaware	University Centers for Excellence in Developmental Disabilities Education, Research and Service	\$2,783,846	\$0	\$0
90	2022-04-09-79	University of Delaware	Grant Voirol DE Sea Grant Knauss Fellowship 2023	\$89,000	\$0	\$0
91	2022-04-09-80	University of Delaware	Energy and Waste Assessments for Metal Fabrication and Manufacturing	\$155,053	\$0	\$0
92	2022-04-09-81	University of Delaware	Preparing Researchers at the Intersection of Special Education and Mathematics (PRISM)	\$0	\$0	\$846,723
93	2022-04-09-82	University of Delaware	Mechanistic Insight of Cell Lifespan Regulation Following Phagocytosis	\$459,079	\$0	\$0
94	2022-04-09-83	University of Delaware	CY2022 NSF Ship Ops Support	\$567,834	\$0	\$0
95	2022-04-09-84	University of Delaware	(ATPH) Expanding the Public Health Workforce W/N the Disability Network	\$72,001	\$0	\$0
96	2022-04-09-85	University of Delaware	Enhancing the Treatment of Pediatric Acute Myeloid Leukemia Through Biomimetic Nanocarrier Delivery of Calicheamicin	\$0	\$0	\$250,000
97	2022-04-09-86	University of Delaware	PRECARE - Platform to Recognize and Evaluate Children for Age-Appropriate Response and Early Detection of Delays	\$0	\$0	\$31,088
98	2022-04-09-87	University of Delaware	2022 DOS ECA Excellence in Chinese Language and Culture NSLI-Y	\$0	\$0	\$100,000
99	2022-04-09-88	University of Delaware	Superlattice Light Emitting Diode Array-Multi Spectral ("SAMS")	\$0	\$0	\$31,250
100	2022-04-09-89	University of Delaware	HEALTH (Health Engagement Access Learning Teaching Humanity) for All (Formerly Mobile Health)	\$0	\$0	\$45,455
101	2022-04-09-90	University of Delaware	Project PROFESSOR (Preparing Researchers for Future Examination and Study of the Science of Reading)	\$3,648,620	\$0	\$0
102	2022-04-09-91	University of Delaware	Investigating Classroom Quality in a Head Start Context: A Mixed Methods Approach	\$50,000	\$0	\$0
103	2022-04-09-92	University of Delaware	Early Head Start Home Visitor Perceptions of Program Environment and Leadership	\$50,000	\$0	\$0
104	2022-04-09-93	University of Delaware	Energy and Waste Assessments for Automotive Manufacturing and Maintenance	\$102,796	\$0	\$0
105	2022-04-09-94	University of Delaware	ODA/USDA EAB Cooperative Agreement: Develop Proactive Biocontrol Strategy Against Emerald Ash Borer in Oregon	\$0	\$0	\$28,719
106	2022-04-09-95	University of Delaware	To Increase Academic Enrichment and Increase School Connectedness of Participants, Including Families, Caregivers, and School Teachers	\$0	\$0	\$210,260
107	2022-04-09-96	University of Delaware	Conformable, Light Weight, High Efficiency Photovoltaic Solar Module for Emerging Terrestrial Applications	\$0	\$0	\$118,194
108	2022-04-09-97	University of Delaware	Dimensionally Stable Thermoset Composites Structures Enabled by Multiscale Computational Design and Additive Manufacturing	\$391,735	\$0	\$0
109	2022-04-09-98	University of Delaware	Identifying Diadromous Fish Abundance, Habitat Utilization, and Fish Passage Feasibility in the Red Clay, White Clay, and Christina Watersheds in New Castle County, Delaware	\$0	\$0	\$139,083
110	2022-04-09-99	University of Delaware	Joy Deep Chakrabarty DE Sea Grant Knauss Fellowship 2023	\$89,000	\$0	\$0
111	2022-04-10-01	University of Delaware	Stephanie Zmina DE Sea Grant Knauss Fellowship 2023	\$89,000	\$0	\$0
112	2022-04-10-02	University of Delaware	Colleen Sullivan DE Sea Grant Knauss Fellowship 2023 (DC Applicant)	\$89,000	\$0	\$0
113	2022-04-10-03	University of Delaware	Deborah Halla DE Sea Grant Knauss Fellowship 2023 (DC Applicant)	\$89,000	\$0	\$0
114	2022-04-10-04	University of Delaware	Jack Polentes DE Sea Grant Knauss Fellowship 2023 (DC Applicant)	\$89,000	\$0	\$0
115	2022-04-10-05	University of Delaware	Jewel Tomsaula DE Sea Grant Knauss Fellowship 2023 (DC Applicant)	\$89,000	\$0	\$0

116	2022-04-10-06	University of Delaware	Richard Peel DE Sea Grant Knauss Fellowship 2023 (DC Applicant)	\$89,000	\$0	\$0
117	2022-04-10-07	University of Delaware	Thalia Beatriz Eigen DE Sea Grant Knauss Fellowship 2023 (DC Applicant)	\$89,000	\$0	\$0
118	2022-04-10-08	University of Delaware	Small Business Administration Cooperative Agreement CY22	\$10,194	\$7,400	\$0
119	2022-04-10-09	University of Delaware	Black Teachers Matter: Co-Constructing a Black Preservice Teacher Network to Improve the Experiences and Retention of Black Preservice Teachers in Teacher Education Programs	\$0	\$0	\$73,596
120	2022-04-10-10	University of Delaware	Quantum Molecular Dynamics with Recurrent Neural Networks	\$0	\$0	\$149,830
121	2022-04-10-11	University of Delaware	Advancing Continuous Biomanufacturing of Monoclonal Antibodies Using an Experimentally Validated Modeling Platform	\$3,078,622	\$0	\$0
122	2022-04-10-12	University of Delaware	Collaborative Research: Derisking Process Development by Understanding the Genetic and Metabolic Drivers of Yarrowia lipolytica Cell Line Instability	\$351,202	\$0	\$0
123	2022-04-10-13	University of Delaware	RII-BEC: Training Diverse Scholars in Data Science to Understand the Brain and Behavior	\$652,439	\$0	\$0
124	2022-04-10-14	University of Delaware	SCH: Model-Informed Patient-Specific Rehabilitation Using Robotics and Neuromuscular Modeling	\$784,176	\$0	\$0
125	2022-04-10-15	University of Delaware	Infusing Earth Observation and Geographic Analysis in the 6th Grade World Regional Geography Lesson Project	\$0	\$0	\$20,432
126	2022-04-10-16	University of Delaware	Spintronics Based on Novel Antiferromagnetic Materials with Spin-Momentum Locking	\$0	\$0	\$167,857

Revised 4/14/22

**Delaware State Clearinghouse Committee**  
**May Agenda**  
Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901  
May 17, 2022 @ 10:00am

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
<b>New Business*</b>									
1	<a href="#">5300</a>	Judicial, Family Court	Court Improvement Program Basic Grant	\$298,864	\$100,518	\$0	1.00	0.57	0.00
2	<a href="#">4917 Amendment</a>	Department of Health and Social Services, Public Health, Community Health	Low-Income Household Water Assistance Program - CRRSA COVID-19 Switch Fund	\$0	\$0	\$0	0.50	-0.50	0.00
3	<a href="#">4991 Amendment</a>	Department of Health and Social Services, Public Health, Community Health	Low-Income Household Water Assistance Program - ARP COVID-19 Switch Fund	\$0	\$0	\$0	0.50	-0.50	0.00
4	<a href="#">5108</a>	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Lab Capacity Data Modernization - CARES Act	\$3,440,800	\$0	\$0	0.00	0.00	0.00
5	<a href="#">5318</a>	Department of Health and Social Services, Public Health, Community Health	Substance Use Stigma Assessment and Response	\$220,000	\$0	\$0	0.05	0.00	0.00
6	<a href="#">5330</a>	Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health	988 Cooperative Agreement	\$250,000	\$0	\$0	0.00	0.00	0.00
7	<a href="#">5303</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	Route 9 Community Enhanced Air Quality Monitoring	\$275,828	\$0	\$0	0.00	0.00	0.00
8	<a href="#">5313</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection; Climate, Coastal, and Energy	Restoring Upland Habitats in Blackbird Creek	\$101,393	\$75,000	\$0	0.00	0.00	0.00
9	<a href="#">5382</a>	Department of Safety and Homeland Security, Office of the Secretary, Developmental Disabilities Council	Expanding the Public Health Workforce - ARP COVID-19	\$95,319	\$0	\$0	0.00	0.00	0.00
10	<a href="#">2022-04-28-01</a>	Smyrna School District	Emergency Connectivity Fund - ARP COVID-19	\$910,000	\$0	\$0	0.00	0.00	0.00
<b>Continued</b>									
1	<a href="#">5304</a>	Department of Health and Social Services, Public Health, Community Health	Behavioral Risk Factor Surveillance System	\$446,496	\$0	\$0	0.00	0.00	0.00
2	<a href="#">5316</a>	Department of Health and Social Services, Public Health, Community Health	Public Health Emergency Preparedness Cooperative Agreement	\$5,383,535	\$539,968	\$0	33.00	2.31	0.00
3	<a href="#">3521 Amendment</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware's Fisheries Research Vessel	\$415,500	\$138,500	\$0	0.00	1.10	0.00
4	<a href="#">5323</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	State Memorandum of Agreement Program for the Reimbursement of Technical Services	\$59,590	\$0	\$0	0.26	0.00	0.00
5	<a href="#">5324</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection; Climate, Coastal, and Energy	Weatherization Assistance Program	\$783,257	\$0	\$0	0.00	0.00	0.00
6	<a href="#">5297</a>	Department of Safety and Homeland Security, State Police, Executive	USAG Asset Forfeiture - Justice	\$3,000,000	\$0	\$0	0.00	0.00	0.00
7	<a href="#">5298</a>	Department of Safety and Homeland Security, State Police, Executive	USAG Asset Forfeiture - Treasury	\$1,000,000	\$0	\$0	0.00	0.00	0.00
8	<a href="#">5305</a>	Department of Education, Student Support	Title II Part A Improving Teacher Quality	\$10,421,077	\$0	\$0	2.05	0.00	0.00
9	<a href="#">5306</a>	Department of Education, Academic Support	Title III English Acquisition	\$1,393,972	\$0	\$0	1.10	0.00	0.00
10	<a href="#">5307</a>	Department of Education, Student Support	Title IV Part A Student Support and Enrichment	\$5,887,415	\$0	\$0	0.00	0.00	0.00
11	<a href="#">5308</a>	Department of Education, Academic Support	Individuals with Disabilities Education Act, Part B Section 619	\$1,313,306	\$0	\$0	0.00	0.00	0.00
12	<a href="#">5309</a>	Department of Education, Academic Support	Individuals with Disabilities Education Act, Part B Section 611	\$40,017,216	\$0	\$0	11.50	0.00	0.00

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

13	<a href="#">5310</a>	Department of Education, Academic Support	Carl D. Perkins Career and Technical Education	\$5,814,321	\$0	\$0	2.57	0.00	0.00
14	<a href="#">5311</a>	Department of Education, Student Support	Title I, Part A - Improving the Academic Achievement of the Disadvantaged	\$54,032,779	\$0	\$0	2.25	0.00	0.00

**Higher Education**

1	5290	Delaware Technical Community College	DEMEP National Institute of Standards & Technology	\$3,534,000	\$3,534,000	\$0			
2	2022-05-07-01	Delaware State University	Title X Family Planning Services and HIV Testing and Counseling Services Contract #22-394	\$12,500	\$0	\$0			
3	2022-05-07-02	Delaware State University	Designer Panicum Virgatum L. Biomass with Reduced Recalcitrance and Increased Stress Resistance for the Sustainable Production of Biofuels and Bioproducts	\$6,722,583	\$0	\$0			
4	2022-05-07-03	Delaware State University	Center for Emerging Catalytic Materials and Technology	\$316,357	\$0	\$0			
5	2022-05-07-04	Delaware State University	State of Delaware Statewide Health Needs Assessment and Improvement Plan	\$0	\$0	\$298,766			
6	2022-05-07-05	Delaware State University	Securing Energy Assets from Brines and Seawater Sources	\$480,000	\$0	\$0			
7	2022-05-07-06	Delaware State University	DSU SNAP ED Program FY2022 Continuation	\$312,399	\$0	\$0			
8	2022-05-14-01	University of Delaware	RII Track-4: NSF: Unravelling Gating Mechanisms of Ion Channels Using Computational and Experimental Ultrafast Vibrational Spectroscopy	\$151,268	\$0	\$0			
9	2022-05-14-02	University of Delaware	Metal-Oxidizing Leptothrix as Biodesign Platforms with Versatile Metabolism and Novel Polymer-Templated Mineral Oxide Synthesis	\$4,735,937	\$0	\$0			
10	2022-05-14-03	University of Delaware	HHS DATI FY2022 Delaware Assistive Technology Initiative	\$402,694	\$0	\$0			
11	2022-05-14-04	University of Delaware	Chemistry and Biology Interface (CBI) NIH T32 Training Grant	\$80,000	\$0	\$0			
12	2022-05-14-05	University of Delaware	Providing a Research Base for Indoor Lighted Production of Strawberries in a Repurposed Poultry House	\$0	\$0	\$19,126			
13	2022-05-14-06	University of Delaware	Center for Autonomous Discovery for Energy-Efficient Quantum Microelectronics (CADEQ)	\$424,021	\$0	\$0			
14	2022-05-14-07	University of Delaware	Microbial Partnering in a Subsurface Anaerobic Methane-Oxidizing Consortium	\$1,099,218	\$0	\$0			
15	2022-05-14-08	University of Delaware	NSF Convergence Accelerator Track G: Cyber Secure 5G-Enabled Mobile Energy Disseminator (MED) Based Dynamic Wireless Charging for Electric Vehicles	\$0	\$0	\$80,576			
16	2022-05-14-09	University of Delaware	Leveraging Collaboration in Example-Based Mathematics Classrooms to Increase Learning, Belonging and Engagement for Minoritized Students	\$0	\$0	\$50,000			
17	2022-05-14-10	University of Delaware	Engineering Lipid Nanoparticles for Drug Delivery to the Placenta to Safely Treat Pregnancy-Related Diseases	\$0	\$0	\$434,243			
18	2022-05-14-11	University of Delaware	Machine Learning for Enabling Faster and Better Interpretation of Soft Materials Structural Characterization	\$0	\$0	\$133,790			
19	2022-05-14-12	University of Delaware	Microbial Community Engineering Tools for Enhancing Polyolefin Degradation and Valorization	\$7,994,306	\$0	\$0			
20	2022-05-14-13	University of Delaware	Fast and Cooperative Ion Transport in Polymer-Based Electrolytes (FaCT)	\$500,000	\$0	\$0			
21	2022-05-14-14	University of Delaware	High-Efficiency, Zero Emissions MW-Assisted Catalysis for Hydrogen and Chemicals	\$496,111	\$0	\$0			
22	2022-05-14-15	University of Delaware	Exploring Elementary Teachers' Feelings, Beliefs and Effectiveness Across Mathematics, Science, and Literacy	\$325,712	\$0	\$0			
23	2022-05-14-16	University of Delaware	Central Networks, Peripheral Factors, and Individual Vulnerability to Postpartum Mood Disorder	\$2,225,503	\$0	\$0			
24	2022-05-14-17	University of Delaware	Procurement Technical Assistance Program Step 2	\$294,200	\$65,061	\$0			
25	2022-05-14-18	University of Delaware	Artificial-Intelligence Based Crop Protection Approaches for Vegetable Farming Systems	\$0	\$0	\$65,942			
26	2022-05-14-19	University of Delaware	Thermal Transport Across Metal-Metal Junctions	\$226,607	\$0	\$0			
27	2022-05-14-20	University of Delaware	Evaluation of the Catherine Hershey Schools for Early Learning: Network Evaluator	\$0	\$0	\$695,466			
28	2022-05-14-21	University of Delaware	Colonial Academic Alliance Preparing Students and Institutions to Engage in Community -Based Learning	\$0	\$0	\$7,500			
29	2022-05-14-22	University of Delaware	Maracoos Support for Delaware HF Radar Units	\$0	\$0	\$3,047			
30	2022-05-14-23	University of Delaware	Maracoos Support of Macan Management	\$0	\$0	\$15,625			
31	2022-05-14-24	University of Delaware	Oceanographic Technical Services	\$139,477	\$0	\$0			
32	2022-05-14-25	University of Delaware	Advancing Chemical Biology Through Innovative Chemistry	\$0	\$0	\$103,272			

33	2022-05-14-26	University of Delaware	Incentivizing Climate Smart Commodities with a Robust MMRV Platform	\$0	\$0	\$155,677
34	2022-05-14-27	University of Delaware	Chesapeake Bay Environmental Forecasting System: Accelerating the Transition of HAB and Pathogen Models from Research to Operations	\$0	\$0	\$70,525
35	2022-05-14-28	University of Delaware	Sharks as Ocean Observers: Predicting Hurricanes and Understanding Animal Movement	\$0	\$0	\$16,912
36	2022-05-14-29	University of Delaware	An ImageJ Plugin for Calcium Image Processing	\$114,087	\$0	\$0
37	2022-05-14-30	University of Delaware	Collaborative Research: HCC: Small: Technology-Assisted Accessible Clothing: Soft Robotic Interaction Technologies and an Assessment Framework for Clothing Accessibility	\$195,347	\$0	\$0
38	2022-05-14-31	University of Delaware	A Request for Supplemental Support for "Collaborative Research: Investigating the Influences of Hydrothermal and Respired Carbon in Intermediate Waters of the Equatorial Pacific Ocean During the Last Deglaciation"	\$18,832	\$0	\$0
39	2022-05-14-32	University of Delaware	Promoting Natural Suppression of Slugs Using Local Parasitic Nematodes	\$0	\$0	\$13,637
40	2022-05-14-33	University of Delaware	Short Fiber Preform Technology for Automotive Part Production	\$0	\$0	\$125,001
41	2022-05-14-34	University of Delaware	Investigating Approach-Avoidance Conflict in Adolescents Who Stutter	\$0	\$0	\$25,000
42	2022-05-14-35	University of Delaware	OES Fellowship Shores	\$150,000	\$0	\$0
43	2022-05-14-36	University of Delaware	Rumen Protected Choline Relative Bioavailability Trial	\$0	\$0	\$22,246
44	2022-05-14-37	University of Delaware	Dinocaps: Natural Capsules for the Deployment of Algicidal Compounds Isolated from the Bacterium Shewanella Sp. Iri-160 for Karenia Brevis Bloom Mitigation	\$0	\$0	\$76,723
45	2022-05-14-38	University of Delaware	NASA Delaware Space Grant College and Fellowship Program Years 3-4 Augmentation 5	\$96,916	\$0	\$0
46	2022-05-14-39	University of Delaware	Development of a Thermodynamically Consistent Rheological Constitutive Equation for Thixotropic Suspensions Connecting Particle Properties to Thermodynamics and Rheology	\$25,718	\$0	\$0
47	2022-05-14-40	University of Delaware	Research and Evaluation on Violence Against Women: "Interrogating Barriers to Help Seeking Through the Criminal Legal System for Women with Marginalized Identities Who Live in Underserved/Over-Policed Communities."	\$1,388,409	\$0	\$0
48	2022-05-14-41	University of Delaware	Promoting Professionalism and Certification: Instilling the Importance of Certification and Facilitating Success on the ASCP BOC	\$0	\$0	\$10,000
49	2022-05-14-42	University of Delaware	Development of a Fuel Cell for the Perhydrobenzyltoluene/Dibenzyltoluene Fuel Pair	\$0	\$0	\$451,711
50	2022-05-14-43	University of Delaware	Virtual Training for School District Leaders, Partnering University Faculty, and Wallace Foundation Consultants and Virtual Training for Wallace Foundation Consultants in the Delaware Assistant Principal Academy Model	\$0	\$0	\$158,745
51	2022-05-14-44	University of Delaware	Production of Environmentally-Acceptable BioLubricants for Hydropower Applications	\$0	\$0	\$31,250
52	2022-05-14-45	University of Delaware	OP: Elucidating Synthesis-Structure Relationships for Complex Nanoparticle Heterostructures	\$370,191	\$0	\$0
53	2022-05-14-46	University of Delaware	Temporal Lighting Optimization to Improve Lettuce Productivity and Nutritional Quality Under Superelevated CO2 Stress	\$68,604	\$0	\$0
54	2022-05-14-47	University of Delaware	The Effect of Spaceflight on Root Growth and Development in Crops	\$0	\$0	\$165,936
55	2022-05-14-48	University of Delaware	Collaborative Research: Leveraging Simulations in Preservice Preparation to Improve Mathematics Teaching for Students with Disabilities	\$0	\$0	\$42,875
56	2022-05-14-49	University of Delaware	Manipulation Atomic Ordering Manufacture of Semiconductors ( $\mu$ -ATOMS)	\$0	\$0	\$745,208
57	2022-05-14-50	University of Delaware	EFRC: Antiferromagnetic Materials for Spintronics	\$0	\$0	\$429,308
58	2022-05-14-51	University of Delaware	BRITE Pivot: New Artificially Intelligent Damper Models for Next Generation Structural Resiliency	\$371,017	\$0	\$0
59	2022-05-14-52	University of Delaware	The Impact of Socioeconomic Status and Stress on the Neurobiology Underpinnings of Reading	\$43,640	\$0	\$0
60	2022-05-14-53	University of Delaware	SAM: Sustainable Anthracnose Management for Watermelon and Cucumber Growers in the Eastern U.S.	\$0	\$0	\$174,353
61	2022-05-14-54	University of Delaware	Provide the Teaching, Learning, Leadership and Professional Development Department in Guilford County Schools (GCS) Individualized Support Needed to Enhance the Existing Leadership Skills	\$0	\$0	\$146,895
62	2022-05-14-55	University of Delaware	Mode of Action and Target Site Toxicity Model Evaluation for PFAS and Hydraulic Fracking Compounds Journal Manuscript	\$0	\$0	\$7,499
63	2022-05-14-56	University of Delaware	Addressing Critical Needs to Improve Competitiveness of the US Stevia Industry	\$0	\$0	\$210,002
64	2022-05-14-57	University of Delaware	Ronald E. McNair Post-Baccalaureate Achievement	\$247,674	\$0	\$0

65	2022-05-14-58	University of Delaware	Efficacy of Multimodal Treatment for Knee Osteoarthritis	\$0	\$0	\$1,000
66	2022-05-14-59	University of Delaware	Pathway to STEM Success: Multidimensional Support to Improve College Readiness and Close Equity Gaps in a State Community College System	\$0	\$0	\$146,676
67	2022-05-14-60	University of Delaware	Enhancing Graduate Research and Training in Food Safety, Plant Nutrition and Production Optimization in Controlled Environments	\$262,500	\$0	\$0
68	2022-05-14-61	University of Delaware	Addressing Evolving Corn Earworm Management Challenges in Northeast Sweet Corn	\$0	\$0	\$242,587
69	2022-05-14-62	University of Delaware	Agricultural Partnerships to Reinforce Incentives for Climate-Smart Expansion of the Supply-Chain (AgPRICES)	\$0	\$0	\$618,344
70	2022-05-14-63	University of Delaware	PFI-TT: Next-Generation Hybrid Solar Cells Enabling Lower Cost, Safe, and Environmentally Friendly Floating Photovoltaic Installations	\$16,000	\$0	\$0
71	2022-05-14-64	University of Delaware	Quantitative and Qualitative Assessment of Achilles Tendinopathy Neovascularization	\$0	\$0	\$1,000
72	2022-05-14-65	University of Delaware	To Lessen the Impact of the Global Pandemic on NAHLN Laboratory Operating Budgets	\$136,364	\$0	\$0
73	2022-05-14-66	University of Delaware	Computational Analysis & Interpretation of Structure in Fibrillar Materials Relevant to Chemours	\$0	\$0	\$212,376
74	2022-05-14-67	University of Delaware	Nonprehensile Manipulation with Dynamic Walkers	\$411,955	\$0	\$0
75	2022-05-14-68	University of Delaware	The Effects on Children and Parents of Educating Parents About Ways to Play with Babies	\$0	\$0	\$1,500
76	2022-05-14-69	University of Delaware	CAREER: Investigating Changes in Students' Prior Mathematical Reasoning: An Exploration of Backward Transfer Effects in School Algebra	\$53,445	\$0	\$0
77	2022-05-14-70	University of Delaware	Development of Genomic Resources to Accelerate Lima Bean Breeding for Consumer Quality and Agronomic Traits	\$0	\$0	\$317,112
78	2022-05-14-71	University of Delaware	2022 Middle East Partnership Initiative Student Leaders Program	\$0	\$0	\$183,981
79	2022-05-14-72	University of Delaware	Center for Emergent Catalysts and Technologies (CeCT)	\$13,289,846	\$0	\$0
80	2022-05-14-73	University of Delaware	Instructional Coaching and State Early Care and Education Policies: Inclusion, Alignment, and Evidence-Based Practices	\$62,499	\$0	\$0
81	2022-05-14-74	University of Delaware	Improving the Treatment of Bacterial Vaginosis Through Nanocarrier Delivery of Clindamycin	\$0	\$0	\$25,000
82	2022-05-14-75	University of Delaware	Assessing Zero Valent Iron Filtration as a Means to Remove and Render Harmless Coccidian Parasites from Water	\$63,388	\$0	\$0
83	2022-05-14-76	University of Delaware	Planning Grant: DESTRESS (Delaware Earth Science Transformation in Representation, Education for Students and Society)	\$207,527	\$0	\$0
84	2022-05-14-77	University of Delaware	Project DELITE: Delaware English Learners' Impact on Teacher Education	\$2,561,109	\$0	\$0
85	2022-05-14-78	University of Delaware	Understanding Child Diversity in Centers Accepting Child Care Subsidies and Links with State CCDF Policies	\$66,008	\$0	\$0
86	2022-05-14-79	University of Delaware	State Water Resources Research Institute Program Annual Base Grants Fiscal Year 2022 Request for Applications	\$133,770	\$0	\$0
87	2022-05-14-80	University of Delaware	Development of Neuro-Derived Algorithm of Theory of Mind During Cooperative and Competitive Hierarchical Human-Agent	\$62,475	\$0	\$0
88	2022-05-14-81	University of Delaware	Theme 3: AI Institute: Artificial Intelligence-Enabled Decision-Making for Resilient Agroecosystem Management (AI-Dream) in Diverse Hydro-Climate and Physiographic Regions	\$0	\$0	\$465,378
89	2022-05-14-82	University of Delaware	Structural Biology of Second Messenger Signaling in Bacterial Conflict Systems	\$1,500,000	\$0	\$0
90	2022-05-14-83	University of Delaware	Leveraging Phasic Environment and Nutrient Solution Management to Improve Resource Use Efficiency of Indoor Vertical Farming	\$0	\$0	\$405,003
91	2022-05-14-84	University of Delaware	Measuring Consolidation and Local Television News Content	\$0	\$0	\$82,768
92	2022-05-14-85	University of Delaware	MURI: Unraveling the Biology, Chemistry and Nanoscience of Natural and Synthetic Melanins	\$0	\$0	\$148,829
93	2022-05-14-86	University of Delaware	The Impacts of Pre-service Supervised Field Experiences on Elementary Teachers Retention and Effectiveness in Mathematics	\$1,066,130	\$0	\$0
94	2022-05-14-87	University of Delaware	Systematic Study of Plasmon-Induced Charge and Energy Transfer in Metal-Semiconductor Hybrids	\$5,000	\$0	\$0
95	2022-05-14-88	University of Delaware	Cyclospora Collaborative for Outreach, Research, and Education (CycloCORE) Consortium Network	\$0	\$0	\$1,017,495
96	2022-05-14-89	University of Delaware	Predoctoral Training in SensoriMotor Neuroscience	\$2,120,797	\$0	\$0
97	2022-05-14-90	University of Delaware	Supplement: Implementing Stigma Reduction Tools Via a Popular Teletraining Platform to Reduce Clinician Stigma and Disparities in HIV Testing, Prevention, and Linkage to Care in Malaysia	\$44,928	\$0	\$0
98	2022-05-14-91	University of Delaware	Measuring Limb Loads Using a Novel Prosthetic Pylon Force Sensor	\$0	\$0	\$26,999
99	2022-05-14-92	University of Delaware	Creating a Performance Portable Software Ecosystem for Applications of Interest to NCI-DOE	\$0	\$0	\$30,351
100	2022-05-14-93	University of Delaware	Factors Influencing Aphasia Treatment Engagement and Response (TE&R)	\$0	\$0	\$640,966

101	2022-05-14-94	University of Delaware	SAI-P: Infrastructure Surprises: Hazard Migration in Space and Time	\$97,022	\$0	\$0
102	2022-05-14-95	University of Delaware	Collaborative Research: Low-Head Milldams as Hotspots for Denitrification and Nitrogen Consumption: Hydrologic and Biogeochemical Controls	\$31,960	\$0	\$0
103	2022-05-14-96	University of Delaware	SAI-P: Optimizing Deployment of Green Stormwater Infrastructure for Maximum Benefit	\$84,724	\$0	\$0
104	2022-05-14-97	University of Delaware	Building a Validation and Verification Suite for OpenMP 4.5	\$83,281	\$0	\$0
105	2022-05-14-98	University of Delaware	Glycolic Acid Synthesis Using Nafion-Based Catalysts	\$0	\$0	\$91,065
106	2022-05-14-99	University of Delaware	SARS-CoV-2 Wastewater-Based Epidemiology Research Agreement	\$0	\$0	\$212,173
107	2022-05-15-01	University of Delaware	Quantifying Interannual Changes in Global Ocean Heat Uptake 2003-2025	\$0	\$0	\$187,728

Created 5/4/2022

**Delaware State Clearinghouse Committee**  
**June Agenda**  
Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901  
June 27, 2022 @ 9:00am

Item	SA#	Applicant	Project Title	Funding			Positions			
				Federal	State	Other	Federal	State	Other	
<b>New Business*</b>										
1	<a href="#">5315</a>	Executive, Criminal Justice, Criminal Justice Council	President-Elect Security Assistance Grant	\$1,038,916	\$0	\$0	0.10	0.00	0.00	
2	<a href="#">DNREC Positions Request</a>	Department of Natural Resources and Environmental Control, Water Resources, Resource Protection	DNREC 3.0 NSF FTE Request/PFAS Settlement	\$0	\$0	\$0	0.00	0.00	3.00	
3	<a href="#">5333</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Sewer Overflow and Stormwater Reuse Municipal Grant	\$337,000	\$84,250	\$0	0.00	0.00	0.00	
4	<a href="#">5312</a>	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Hazard Mitigation DR-4566 Tropical Storm Isaias	\$1,731,535	\$0	\$432,883	1.25	0.00	0.00	
5	<a href="#">5358</a>	Department of Transportation, Office of the Secretary, Finance Division	Operating and Preventative Maintenance 5307 Urban - ARP COVID-19	\$63,236,476	\$0	\$0	0.00	0.00	0.00	
6	<a href="#">5359</a>	Department of Transportation, Office of the Secretary, Finance Division	Operating and Preventative Maintenance 5311 Rural - ARP COVID-19	\$3,427,222	\$0	\$0	0.00	0.00	0.00	
7	<a href="#">5383</a>	Department of Labor, Employment Training, Employment and Training Services	Employment Equity Project - ARP COVID-19	\$1,000,000	\$0	\$0	1.00	0.00	0.00	
<b>Infrastructure Investment and Jobs Act, 2021 (IIJA) aka Bipartisan Infrastructure Law (BIL) H.R.3684 November 15, 2021</b>										
				Delaware 's Estimated Allocation Over Five Years						
1	<a href="#">TBD</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Clean Water State Revolving Funds: Existing Program Supplement - IIJA	\$54,729,000	\$9,027,000	\$0	0.00	0.00	1.40	
2	<a href="#">TBD</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Clean Water State Revolving Funds: Emerging Contaminants - IIJA	\$4,664,000	\$0	\$0	0.00	0.00	1.40	
3	<a href="#">TBD</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Funds: Existing Program Supplement - IIJA	\$111,553,000	\$18,418,000	\$0	2.50	0.00	1.40	
4	<a href="#">TBD</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Funds: Emerging Contaminants - IIJA	\$38,020,000	\$0	\$0	1.50	0.00	1.40	
5	<a href="#">TBD</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Funds: Lead Service Line Replacement - IIJA	\$142,575,000	\$0	\$0	2.00	0.00	1.40	
				Total	\$351,541,000	\$27,445,000	\$0	6.00	0.00	7.00
<b>Continued</b>										
1	<a href="#">5084 Amendment 2</a>	Executive, Office of Management and Budget	Coronavirus State Fiscal Recovery Fund - ARP COVID-19	\$0	\$0	\$0	1.00	0.00	0.00	
2	<a href="#">2022-04-06-01</a>	Executive, Delaware State Housing Authority	Community Development Block Grant	\$2,642,996	\$0	\$0	0.70	0.00	0.00	
3	<a href="#">2022-04-06-02</a>	Executive, Delaware State Housing Authority	Housing Opportunities for Persons with Aids	\$358,476	\$0	\$0	0.00	0.00	0.00	
4	<a href="#">2022-04-06-03</a>	Executive, Delaware State Housing Authority	Housing Trust Fund	\$2,982,433	\$0	\$0	0.00	0.00	0.00	
5	<a href="#">2022-04-06-04</a>	Executive, Delaware State Housing Authority	HOME Investment Partnership	\$3,000,039	\$0	\$0	0.00	0.00	0.00	
6	<a href="#">2022-04-06-05</a>	Executive, Delaware State Housing Authority	Emergency Solutions Grants Program	\$246,911	\$0	\$0	0.00	0.00	0.00	
7	<a href="#">2022-04-06-06</a>	Executive, Delaware State Housing Authority	Recovery Housing Program	\$1,357,066	\$0	\$0	0.00	0.00	0.00	

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



8	<a href="#">2022-04-07-01</a>	Executive, Delaware State Housing Authority	Public Housing Operations Program - Moving to Work	\$2,432,680	\$0	\$681,980	0.00	0.00	0.00
9	<a href="#">2022-04-07-02</a>	Executive, Delaware State Housing Authority	Housing Choice Vouchers - Moving to Work	\$10,345,670	\$0	\$0	1.00	0.00	0.00
10	<a href="#">2022-04-07-03</a>	Executive, Delaware State Housing Authority	Family Unification Program	\$536,020	\$0	\$0	0.00	0.00	0.00
11	<a href="#">2022-04-07-04</a>	Executive, Delaware State Housing Authority	Performance Based Contract Administrator Program	\$45,461,896	\$0	\$0	0.00	0.00	0.00
12	<a href="#">2022-04-07-05</a>	Executive, Delaware State Housing Authority	Public Housing Capital Program - Moving to Work	\$810,861	\$0	\$0	0.00	0.00	0.00
13	<a href="#">2022-04-07-06</a>	Executive, Delaware State Housing Authority	Mainstream Voucher Program	\$605,729	\$0	\$0	0.00	0.00	0.00
14	<a href="#">5336</a>	Executive, Criminal Justice, Criminal Justice Council	Childrens Justice Act Grant	\$89,206	\$0	\$0	0.00	0.00	0.00
15	<a href="#">5340</a>	Executive, Criminal Justice, Criminal Justice Council	Residential Substance Abuse Treatment	\$176,227	\$58,742	\$0	0.21	0.05	0.00
16	<a href="#">4898 Amendment</a>	Department of Health and Social Services, Medicaid and Medical Assistance	Medicaid Services XIX-MAP22	\$814,530,784	\$162,906,157	\$0	0.00	0.00	0.00
17	<a href="#">5325</a>	Department of Health and Social Services, Public Health, Community Health	Immunization and Vaccines for Children	\$2,381,761	\$0	\$0	11.00	0.00	0.00
18	<a href="#">5327</a>	Department of Health and Social Services, Social Services	Delaware Senior Medicare Patrol Program	\$241,734	\$0	\$0	0.00	0.00	0.00
19	<a href="#">5332</a>	Department of Health and Social Services, Public Health, Community Health	First Responders - Comprehensive Addiction & Recovery Act	\$800,000	\$0	\$0	0.55	0.00	0.00
20	<a href="#">5346</a>	Department of Health and Social Services, Public Health, Community Health	Hepatitis C Increased Testing and Diagnosis	\$315,000	\$0	\$0	2.00	0.00	0.00
21	<a href="#">5349</a>	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Laboratory Capacity for Infectious Disease	\$14,161,026	\$0	\$0	6.50	0.00	0.00
22	<a href="#">5355</a>	Department of Health and Social Services, Administration, Office of the Secretary	Delaware Health Insurance Individual Market Stabilization	\$35,010,817	\$0	\$0	0.00	0.00	0.00
23	<a href="#">5046 Amendment</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal, and Energy	Clean Cities Coalition Grant	\$20,000	\$0	\$0	0.00	0.00	0.00
24	<a href="#">3310 Amendment</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Local Cooperation Agreement Delaware Coastal Protection Project	\$995,890	\$1,449,370	\$0	0.10	0.15	0.00
25	<a href="#">5326</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	E-2-33 Delaware's Rare Plant Conservation Program	\$13,050	\$4,350	\$0	0.00	0.02	0.00
26	<a href="#">5329</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	E-1-31 Delaware's Endangered Species Program	\$42,695	\$14,232	\$0	0.00	0.04	0.00
27	<a href="#">5331</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Support Agency Cooperative Agreement - Brownfields	\$444,994	\$0	\$0	2.75	0.00	0.00
28	<a href="#">5335</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Shellfish Sanitation Equipment	\$39,953	\$0	\$0	0.00	0.00	0.00
29	<a href="#">5338</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Nonpoint Source Implementation Grant	\$1,223,200	\$663,147	\$158,987	3.25	2.60	0.00
30	<a href="#">5370</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Office of Innovation and Technology Services	Environmental Information Exchange Network	\$199,398	\$0	\$0	0.00	0.00	0.00
31	<a href="#">5392</a>	Department of Labor, Employment Training, Employment and Training Services	Foreign Labor Certification (FY20)	\$65,000	\$0	\$0	1.00	0.00	0.00
32	<a href="#">5393</a>	Department of Labor, Employment Training, Employment and Training Services	Foreign Labor Certification (FY21)	\$76,092	\$0	\$0	1.00	0.00	0.00

33	<a href="#">5341</a>	Department of Education, Student Support	Title I Part C Migrant Education	\$443,184	\$0	\$0	1.30	0.00	0.00
34	<a href="#">5362</a>	Department of Education, Academic Support	State Assessment and Related Activities	\$3,585,897	\$0	\$0	2.10	0.00	0.00
35	<a href="#">5363</a>	Department of Education, Student Support	Title IV, Part B - 21st Century Community Learning	\$6,172,398	\$0	\$0	0.80	0.00	0.00
36	<a href="#">5364</a>	Department of Education, Student Support	Adult Basic Education	\$1,893,090	\$855,621	\$0	0.10	0.00	0.00
37	<a href="#">5365</a>	Department of Education, Student Support	Education for Homeless Children and Youth	\$337,662	\$0	\$0	0.15	0.00	0.00
38	<a href="#">5366</a>	Department of Education, Office of the Secretary	Rural and Low-Income Schools	\$126,740	\$0	\$0	0.00	0.00	0.00
39	<a href="#">5367</a>	Department of Education, Student Support	Migrant Education Program Consortium Incentive	\$118,483	\$0	\$0	0.00	0.00	0.00

**Higher Education**

1	2022-06-04-01	Delaware State University	Program for Children - Continuation and Pilot Project	\$75,000	\$0	\$0			
2	2022-06-04-02	Delaware State University	Title X Family Planning Services and HIV Testing and Counseling Services Contract #22-143	\$12,500	\$0	\$0			
3	2022-06-04-03	Delaware State University	Title X Family Planning Services and HIV Testing and Counseling Services Contract #19-380	\$10,000	\$0	\$0			
4	2022-06-04-04	Delaware State University	Thrust 4-Value Added Systems (Part 2)	\$80,000	\$0	\$0			
5	2022-06-04-05	Delaware State University	DSU Community Navigator	\$200,000	\$0	\$0			
6	2022-06-04-06	Delaware State University	Development of Phage Therapy for the Treatment of Enteric Septicemia and Columnaris in Aquaponics Catfish	\$299,674	\$0	\$0			
7	2022-06-04-07	Delaware State University	DSU Public Health Training Scholarship Program	\$1,500,000	\$0	\$0			
8	2022-06-04-08	Delaware State University	Generation of Hydrogen Peroxide and Consecutive Chemical Reactions in Water Microdroplets	\$20,995	\$0	\$0			
9	2022-06-04-09	Delaware State University	Artificial Intelligence (AI) Institute for Coastal-Smart Digital Agriculture (AICoSDA)	\$19,928,219	\$0	\$0			
10	2022-06-04-10	Delaware State University	Delaware Space Observation Center (DSpOC)	\$399,985	\$0	\$0			
11	2022-06-04-11	Delaware State University	On- Chip Sensing Using Mid-Infrared Integrated Photonic Circuits (PICs)	\$245,800	\$0	\$0			
12	2022-06-04-12	Delaware State University	Delaware State University McNair: Growing Opportunity, Advancing Learning (GOAL)	\$249,443	\$0	\$0			
13	2022-06-04-13	Delaware State University	Climate-Smart Milk: Halving Methane Emissions and Carbon Footprints (Measured and Verified) Through Innovative Management Integration from Feeding to Land-Use	\$847,920	\$0	\$0			
14	2022-06-04-14	Delaware State University	Social & Behavioral Factors Related to COVID-19 Rapid Testing in Delaware's Underserved Communities	\$1,763,131	\$0	\$0			
15	2022-06-04-15	Delaware State University	Project ABLE- Igniting an Ocean Economy Tech Center in Kent and Sussex Counties	\$300,000	\$0	\$0			
16	2022-06-04-16	Delaware State University	US Embassy Abidjan, Public Affairs Section	\$25,000	\$0	\$0			
17	2022-06-04-17	Delaware State University	MBDA/Minority College and Universities	\$601,422	\$0	\$0			
18	2022-06-04-18	Delaware State University	Certificates in Multiliteracy: Growth and Competencies for International Studies, Language Content for Professional Purposes and Less Commonly Taught Languages	\$218,914	\$0	\$0			
19	2022-06-11-01	University of Delaware	Inspection/Light Work Class Remotely Operated Vehicle (ROV) for Improved Ocean Research Support from the University of Delaware Research Vessel Hugh R. Sharp	\$784,225	\$0	\$0			
20	2022-06-11-02	University of Delaware	Integrative Data Analysis to Identify Persistent Post-Concussion Deficits and Subsequent Musculoskeletal Injury Risk	\$88,244	\$0	\$0			
21	2022-06-11-03	University of Delaware	Tissue Engineered Total Disc Replacement in a Large Animal Model	\$17,713	\$0	\$0			
22	2022-06-11-04	University of Delaware	Bioactive Injectable Implants for Functional Intervertebral Disc Regeneration	\$17,713	\$0	\$0			
23	2022-06-11-05	University of Delaware	DSC Boost22	\$0	\$0	\$14,818			
24	2022-06-11-06	University of Delaware	Development of Biological Control Methods for Management of Spotted Lanternfly	\$24,015	\$0	\$0			

25	2022-06-11-07	University of Delaware	Conformal Printing of Frequency Selective Surfaces	\$0	\$0	\$26,001
26	2022-06-11-08	University of Delaware	Roads Continue: Long-Term Patterns of Desistance Among an Active Criminal Cohort	\$301,373	\$0	\$0
27	2022-06-11-09	University of Delaware	Collaborative Research: Protein Engineering and Processing of Plant Viral Templates for Controlled Nanoparticle Synthesis	\$27,000	\$0	\$0
28	2022-06-11-10	University of Delaware	Public Allies FY21/22 National Support	\$0	\$0	\$15,297
29	2022-06-11-11	University of Delaware	Using AI to Clarify the Role of Phonological Processing Speed in Reading Difficulty	\$0	\$0	\$53,125
30	2022-06-11-12	University of Delaware	FMSG: ECO: From Carbon Dioxide to Future Bioplastic Manufacturing for Environmental Sustainability	\$0	\$0	\$130,694
31	2022-06-11-13	University of Delaware	Structural Characterization of SARS-CoV-2 Genome Organization by NMR	\$1,634,600	\$0	\$0
32	2022-06-11-14	University of Delaware	Bridging Insights Why It Worked: A Comparative Study of Select Resolved and Unresolved Conflicts Since 1946	\$0	\$0	\$56,036
33	2022-06-11-15	University of Delaware	Fundamental Studies of Catalytic Sites and Catalyst/Membrane Integrations for Advanced Hydroxide Exchange Membrane Electrolyzers	\$0	\$0	\$378,126
34	2022-06-11-16	University of Delaware	Re-Survey of Sharp Points to Estimate Population Change Over Time	\$46,809	\$0	\$0
35	2022-06-11-17	University of Delaware	Collaborative Research: CIF: Small: Hypergraph Signal Processing and Networks Via T-Product Decompositions	\$222,635	\$0	\$0
36	2022-06-11-18	University of Delaware	Yoda1-Augmented Vibration Enhances Standard of Care in Metastatic Breast Cancers	\$899,991	\$0	\$0
37	2022-06-11-19	University of Delaware	The Delaware Space Observation Center (DSpOC)	\$801,110	\$0	\$0
38	2022-06-11-20	University of Delaware	Systematic Study of Plasmon-Induced Charge and Energy Transfer in Metal-Semiconductor Hybrids	\$10,000	\$0	\$0
39	2022-06-11-21	University of Delaware	Scalable Manufacturing of Structured Battery Electrode with Controlled Meso-Scale Architecture for Fast-Charging Li-Ion Battery	\$0	\$0	\$161,489
40	2022-06-11-22	University of Delaware	Therapeutic Design for Enhanced Antiretroviral Delivery to Lymphoid Tissue	\$149,031	\$0	\$0
41	2022-06-11-23	University of Delaware	Assessing the Transport, Transformation, and Fate of Per and Polyfluoroalkyl Substances (Pfas) Across the Land-Sea Transition	\$249,487	\$0	\$0
42	2022-06-11-24	University of Delaware	Factors Affect the Transfer of Bacterial Pathogens to Leafy Greens from Soils	\$217,613	\$0	\$0
43	2022-06-11-25	University of Delaware	Siemens Svc Agreement Hanson 22	\$0	\$0	\$31,338
44	2022-06-11-26	University of Delaware	The Foundation for Renewable Energy and Environment (FREE) Graduate Assistantship	\$0	\$0	\$5,280
45	2022-06-11-27	University of Delaware	RII Track-4: NSF: Develop a Generic Framework to Couple Agent-Based Behavioral Models with Physics-Based Water Models for Socio-Hydrologic Studies	\$193,248	\$0	\$0
46	2022-06-11-28	University of Delaware	UMaine Northeastern Regional Center NPDN 2022-2026- DE	\$0	\$0	\$109,083
47	2022-06-11-29	University of Delaware	Graduate Stipend Support for the Winterthur/University of Delaware Program in Art Conservation	\$350,000	\$0	\$0
48	2022-06-11-30	University of Delaware	Collaborative Research:SWIFT:AI/ML-Powered Trustworthy Dynamic Spectrum Sharing	\$164,973	\$0	\$0
49	2022-06-11-31	University of Delaware	Electromagnetic Material Characterization System for the Development of Novel Multifunctional Composites	\$292,500	\$0	\$0
50	2022-06-11-32	University of Delaware	Assessing the Effectiveness of Marketing Strategies of Native Plants	\$0	\$0	\$6,500
51	2022-06-11-33	University of Delaware	In-Situ Probing of Device-Specific Optoelectronic Material Responses in Large-Scale Active Integrated Photonic Devices	\$66,576	\$0	\$0
52	2022-06-11-34	University of Delaware	Identifying the Optimal Patient-Specific Dynamic Ankle-Foot Orthosis Bending Stiffness in an Evidence-Based Manner that can be Implemented by Clinical Providers	\$226,600	\$0	\$0
53	2022-06-11-35	University of Delaware	Spatially Resolved Micro-Spectrometer for Hybrid Integrated Photonic Materials	\$66,576	\$0	\$0
54	2022-06-11-36	University of Delaware	Analysis of Printed Textiles: Nondestructively Exploring the Dyes - Substrate Interface	\$69,525	\$0	\$0
55	2022-06-11-37	University of Delaware	Intrinsically Disordered Selenoproteins: Synergistic Roles and Individual Functions	\$1,530,000	\$0	\$0
56	2022-06-11-38	University of Delaware	MT CUBA/TIDES Grassroots Conservation with Keystone Plants	\$0	\$0	\$50,000
57	2022-06-11-39	University of Delaware	Enhancing the Quality of Kindergarten Services	\$0	\$0	\$30,000
58	2022-06-11-40	University of Delaware	Probing the Unique Attributes of the Naive Reservoir	\$0	\$0	\$349,995

59	2022-06-11-41	University of Delaware	Collaborative Research: Edge FGT: Establishing Functional Genomics in Anaerobic Fungi for Applications in Agriculture, Sustainability, and Carbon Cycling	\$6,000	\$0	\$0
60	2022-06-11-42	University of Delaware	Initial Design-Build of the Securing American Biomanufacturing Research and Education Center (SABRE Center)	\$5,000,000	\$0	\$0
61	2022-06-11-43	University of Delaware	Runoff Risk V3.0 Assessment	\$32,207	\$0	\$0
62	2022-06-11-44	University of Delaware	The Special Initiative on Offshore Wind	\$0	\$0	\$23,437
63	2022-06-11-45	University of Delaware	A Patient-Centered Approach to Interdisciplinary, Team-Based Concussion Care	\$0	\$0	\$79,061
64	2022-06-11-46	University of Delaware	Structural and Functional Analysis of ABCA4 Variants to Determine Pathogenicity and Prognosis of Inherited Retinal Degenerative Diseases	\$1,250,000	\$0	\$0
65	2022-06-11-47	University of Delaware	Development of a Novel Clinical Measure for Evaluating Hip Muscle Function in Service Members, Veterans, and Civilians Living with Lower Limb Amputation	\$0	\$0	\$295,102
66	2022-06-11-48	University of Delaware	Theme 3: AI Institute for Coastal-Smart Digital Agriculture	\$0	\$0	\$4,200,009
67	2022-06-11-49	University of Delaware	Mode of Action and Target Site Toxicity Model Evaluation for PFAS and Hydraulic Fracking Compounds Journal Manuscript	\$0	\$0	\$46,875
68	2022-06-11-50	University of Delaware	Enhanced Recycling of Rare-Earth Elements Through Formation of High-Temperature Sulfate Liquids: Towards More Circular Metal Extraction Pathways	\$1,242,863	\$0	\$0
69	2022-06-11-51	University of Delaware	Probing Nano/Bio Interactions to Understand and Overcome Biological Barriers Limiting Nanomedicine	\$2,400,000	\$0	\$0
70	2022-06-11-52	University of Delaware	NSF Convergence Accelerator Track E: Convergence Towards Nationwide Smart Precision Aquaculture Networks for Sustainable Shellfish Farming	\$0	\$0	\$193,777
71	2022-06-11-53	University of Delaware	Formulation and Evaluation of Biomass-Derived Polymers for High-Performance Applications	\$1,098,750	\$0	\$0
72	2022-06-11-54	University of Delaware	Megawatt Charging System Anl	\$0	\$0	\$100,064
73	2022-06-11-55	University of Delaware	Department of Health and Human Services New Directions Early Head Start Year 26	\$2,656,262	\$0	\$0
74	2022-06-11-56	University of Delaware	Collaboration to Improve Breathing Devices for South Africa	\$0	\$0	\$13,000
75	2022-06-11-57	University of Delaware	Improving Hydration and Safety in the Fire Service with a Novel, Firefighter Hydration Monitoring System	\$0	\$0	\$915,305
76	2022-06-11-58	University of Delaware	Data Collaborations to Support an Equitable and Sustainable Blue Economy	\$0	\$0	\$78,125
77	2022-06-11-59	University of Delaware	Evolution of Host Specificity in Malaria Parasites of Birds	\$689,297	\$0	\$0
78	2022-06-11-60	University of Delaware	Harnessing Plant Growth Promoting Rhizobacteria to Modulate Soil Water Retention to Improve Drought Tolerance in Plants.	\$427,013	\$0	\$0
79	2022-06-11-61	University of Delaware	The Effects on Children and Parents of Educating Parents About Ways to Play with Babies	\$0	\$0	\$10,000
80	2022-06-11-62	University of Delaware	Department of Health and Human Services New Directions Early Head Start Year 26	\$73,663	\$0	\$0
81	2022-06-11-63	University of Delaware	Multisensory Control of Balance During Walking in Parkinson's Disease	\$1,296,603	\$0	\$0
82	2022-06-11-64	University of Delaware	Avoiding Cesarean-Induced Obesity Through Hormone Rescue	\$1,270,535	\$0	\$0
83	2022-06-11-65	University of Delaware	Innovation Framework Agreement	\$0	\$0	\$29,998
84	2022-06-11-66	University of Delaware	Elucidating the Origin of Sudden Cardiac Death in Dilated Cardiomyopathy: from Phenotype Predictors to Therapeutic Targets	\$0	\$0	\$150,000
85	2022-06-11-67	University of Delaware	Enhancing Soldier Performance and Protection to Defeat Evolving Threats	\$0	\$0	\$4,713,226
86	2022-06-11-68	University of Delaware	Chemosensitization of KMT2A Rearranged Pediatric AML	\$0	\$0	\$114,660
87	2022-06-11-69	University of Delaware	Project ABLE - Igniting a Blue Economy Tech Center in Sussex County	\$1,146,994	\$0	\$0
88	2022-06-11-70	University of Delaware	Increase the Capacity of Service Providers to Address Stress and Mental Health Needs Among Northeast Farming Communities.	\$0	\$0	\$10,908
89	2022-06-11-71	University of Delaware	Suction-Based Transcutaneous Nucleic-Acid Delivery Platform: Mechanisms and Optimization	\$0	\$0	\$280,000
90	2022-06-11-72	University of Delaware	Assessing Health Effects of the Disaster of 2021 Texas Severe Winter Storms on Morbidity and Mortality	\$0	\$0	\$120,688
91	2022-06-11-73	University of Delaware	Investigating the Role of ECM Stiffness and Renal Interstitial Cell Patterning During Nephron Differentiation in the Embryonic Mouse Kidney	\$0	\$0	\$830,000
92	2022-06-11-74	University of Delaware	Spatial Prioritization of Avian Migratory Stopover Sites in Minnesota	\$0	\$0	\$78,789
93	2022-06-11-75	University of Delaware	Everyday Quality (EDQ): Building a Practical Toolkit for Continuous Quality Improvement in Family Child Care	\$0	\$0	\$197,763

94	2022-06-11-76	University of Delaware	The Rubin Observatory Construction Project	\$0	\$0	\$84,737
95	2022-06-11-77	University of Delaware	Benchmarking Track Inspection Efficacy with Regard to Track Caused Derailments with Case Studies	\$192,558	\$0	\$0
96	2022-06-11-78	University of Delaware	Compact W-Band Imagers for IED Detection Using BiCMOS Integrated Circuits and Additively Fabricated Metaoptics	\$2,206,557	\$0	\$0
97	2022-06-11-79	University of Delaware	Novel High-Energy-Density Lithium-(Oxygen+Carbon Dioxide) Reserve Batteries	\$0	\$0	\$21,625
98	2022-06-11-80	University of Delaware	Development of Innovative Technologies and Strategies to Mitigate Biological, Chemical, Physical, and Environmental Threats to Food Safety	\$0	\$0	\$79,167
99	2022-06-11-81	University of Delaware	CAREER: Design and Processing of Moisture- Responsive 3D Knitted Structures with Adaptable Mechanical Performance	\$401,447	\$0	\$0
100	2022-06-11-82	University of Delaware	Collaborative Research: SaTC: Core: Small: Investigation of Naming Space Hijacking Threat and its Defense	\$195,528	\$0	\$0
101	2022-06-11-83	University of Delaware	Study of the U.S. Institutes for Young Women Leaders	\$0	\$0	\$210,409
102	2022-06-11-84	University of Delaware	Clean Hydrogen Partnership	\$6,716,559	\$0	\$0
103	2022-06-11-85	University of Delaware	HIST/JWST 254: The Jewish Holocaust	\$0	\$0	\$13,000
104	2022-06-11-86	University of Delaware	Longitudinal Structural-Functional Brain Mapping in Epilepsy Patients Selected for Laser Interstitial Thermal Therapy	\$0	\$0	\$225,000
105	2022-06-11-87	University of Delaware	The Longitudinal Relationship of Sedentary Behavior with Health Outcomes in a Community-Based Cohort: The Johnston County Health Study	\$3,051,546	\$0	\$0
106	2022-06-11-88	University of Delaware	Tablet-Based "Apps" for Functional Assessment of the Upper Limb After Stroke	\$275,000	\$0	\$0
107	2022-06-11-89	University of Delaware	Advanced Lithium-Sulfur Batteries with Superhigh Areal Capacity	\$0	\$0	\$35,809
108	2022-06-11-90	University of Delaware	Equitable, Climate-Resilient Decarbonization of the Philadelphia-Newark Metropolitan Region Via District-Scale Energy Innovations, Forest- and Farm-Circular Economy	\$0	\$0	\$306,981
109	2022-06-11-91	University of Delaware	Understanding Sex Differences in Traumatic Stress Reactivity	\$1,557,142	\$0	\$0
110	2022-06-11-92	University of Delaware	A Wearable and Wirelessly-Powered System for Therapeutic Alternating Electric Field Application in Rodents	\$0	\$0	\$74,055
111	2022-06-11-93	University of Delaware	Professional Development to Foster Effectiveness of the Leadership Team at JE Moss Elementary School	\$0	\$0	\$5,661
112	2022-06-11-94	University of Delaware	University of Delaware Upward Bound Math & Science Program	\$313,778	\$0	\$0
113	2022-06-11-95	University of Delaware	Next Generation MRI Scanner for Biomedical and Brain Research	\$2,000,000	\$0	\$0
114	2022-06-11-96	University of Delaware	Radio America Production of Educational Audio and Video Features for the Center for Economic Educations & Entrepreneurship	\$0	\$0	\$71,945
115	2022-06-11-97	University of Delaware	High-Intensity Interval Training to Recover Walking Post-Stroke: HIT-Stroke Trial 2	\$0	\$0	\$743,550
116	2022-06-11-98	University of Delaware	Collaborative Research: SHF: Medium: Practical and Rigorous Correctness Checking and Correctness Preservation for Irregular Parallel Programs	\$8,000	\$0	\$0
117	2022-06-11-99	University of Delaware	Regulating Multiple ER/SR Complexes by Targeting Cardiac Hsp90 $\alpha$	\$2,000,000	\$0	\$0
118	2022-06-12-01	University of Delaware	A Customized, Wearable Hydration Monitor for Older Adults	\$275,000	\$0	\$0
119	2022-06-12-02	University of Delaware	Expandqise: Track 1: Development of ER-Doped Semiconductor Nanophotonics to Realize Optoelectronic Capabilities for Quantum Information Applications at Telecom Wavelengths	\$0	\$0	\$134,938

6/16/2022

**Delaware State Clearinghouse Committee**

**July Agenda**

Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901

July 19, 2022 @ 10:00am

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
<b>New Business*</b>									
1	<a href="#">5413</a>	Executive, Criminal Justice, Criminal Justice Council	Statewide Violence Reduction Project Byrne Discretionary	\$1,900,000	\$0	\$0	0.53	0.00	0.00
2	<a href="#">5408</a>	Executive, Criminal Justice, Criminal Justice Council	Presidential Security Assistance Grant	\$1,549,913	\$0	\$0	0.00	0.00	0.00
3	<a href="#">5409</a>	Executive, Criminal Justice, Criminal Justice Council	Statewide Body-Worn Camera Byrne Discretionary	\$1,600,000	\$0	\$0	0.00	0.00	0.00
4	<a href="#">5351</a>	Executive, Office of Management and Budget, Food Distribution	The Emergency Food Assistance Program - CARES Build Back Better	\$287,101	\$0	\$0	0.00	0.00	0.00
5	<a href="#">5131 Amendment</a>	<del>Department of Health and Social Services, Public Health, Community Health</del>	<del>Maternal and Child Health Services Switch Fund (Rescheduled for August)</del>	<del>\$0</del>	<del>\$0</del>	<del>\$0</del>	<del>-1.00</del>	<del>1.00</del>	<del>0.00</del>
6	<a href="#">5343</a>	Department of Health and Social Services, Public Health, Community Health	Modernizing Environmental Public Health Tracking	\$900,361	\$0	\$0	2.75	0.00	0.00
7	<a href="#">5368</a>	Department of Health and Social Services, Public Health, Community Health	Transforming Pediatrics in Early Childhood	\$4,000,000	\$0	\$0	0.50	0.00	0.00
8	<a href="#">5380</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	Enhanced Monitoring of Particulate Matter 2.5 & National Ambient Air Quality Standard Pollutants - ARP COVID	\$249,500	\$0	\$0	0.00	0.00	0.00
9	<a href="#">5397</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Hockessin Cleaners Operable Unit 2 Removal	\$10,000	\$0	\$0	0.07	0.00	0.00
<b>Continued</b>									
1	<a href="#">5384</a>	Legal, Department of Justice	Victims Compensation Assistance	\$1,219,000	\$0	\$0	0.00	0.00	0.00
2	<a href="#">5404</a>	Department of State, Division of Arts, Office of the Director	Promotion of the Arts -Partnership Agreement	\$825,500	\$825,500	\$0	3.00	0.00	0.00
3	<a href="#">5412</a>	Department of State, Libraries	Library Services and Technology Act	\$1,204,611	\$658,697	\$0	7.00	8.00	0.00
4	<a href="#">5344</a>	Department of Health and Social Services, Public Health, Community Health	Well-Integrated Screening & Evaluation for Women	\$500,000	\$166,667	\$0	1.20	0.00	0.00
5	<a href="#">5369</a>	Department of Health and Social Services, Public Health, Community Health	Infants and Toddlers with Disabilities	\$2,433,483	\$0	\$0	10.00	0.00	0.00
6	<a href="#">5372</a>	Department of Health and Social Services, Public Health, Community Health	Ryan White Care Act Title II Supplement	\$2,000,000	\$0	\$0	0.00	0.00	0.00
7	<a href="#">5373</a>	Department of Health and Social Services, Public Health, Community Health	Overdose Data to Action Supplement Extension	\$5,377,830	\$0	\$0	10.40	0.00	0.00
8	<a href="#">5376</a>	Department of Health and Social Services, Public Health, Community Health	Delaware Violent Death Reporting System	\$283,314	\$0	\$0	1.00	0.00	0.00
9	<a href="#">5378</a>	Department of Health and Social Services, Social Services	Refugee Social Service Case Program	\$236,334	\$0	\$0	0.00	0.00	0.00
10	<a href="#">5387</a>	Department of Health and Social Services, Public Health, Community Health	Childhood Lead Poisoning Prevention	\$1,500,000	\$0	\$0	1.00	0.00	0.00
11	<a href="#">5407</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal, and Energy	Delaware Coastal Management Program Implementation	\$3,281,700	\$3,103,700	\$0	9.50	11.45	0.00
12	<a href="#">5401</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Beaches Environmental Assessment and Coastal Health	\$211,000	\$0	\$0	0.10	0.00	0.00
13	<a href="#">5361</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware's White-Nose Syndrome Grant	\$23,297	\$0	\$0	0.05	0.00	0.00

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

14	<a href="#">5395</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal and Energy	Delaware National Estuarine Research Reserve Operations	\$1,639,050	\$702,450	\$0	4.50	1.90	0.00
15	<a href="#">5398</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Chesapeake Bay Regulatory and Accountability Programs for Chesapeake Bay Reporting	\$4,640,929	\$3,335,569	\$1,305,360	1.14	4.86	0.00
16	<a href="#">5124 Amendment</a>	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 402 Planning and Administration	\$769,006	\$0	\$0	0.00	0.00	0.00
17	<a href="#">5071 Amendment</a>	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405C Traffic Safety Information System Improvements	\$98,280	\$0	\$0	0.00	0.00	0.00
18	<a href="#">5350</a>	Department of Labor, Office of Occupational and Labor Market Information	Workforce Information Grant	\$301,540	\$0	\$0	1.50	0.00	0.00
19	<a href="#">5386</a>	Department of Labor, Employment and Training, Employment and Training Services	Disabled Veterans Outreach Program	\$592,188	\$0	\$0	6.00	0.00	0.00
20	<a href="#">5385</a>	Department of Labor, Employment and Training, Employment and Training Services	Work Opportunity Tax Credit	\$12,450	\$0	\$0	0.25	0.00	0.00
21	<a href="#">5416</a>	Department of Agriculture, Plant Industries	Spotted Lanternfly Survey	\$550,000	\$0	\$0	1.00	0.00	0.00
22	<a href="#">5403</a>	Department of Education, Student Support	Prevention and Intervention Programs for Children	\$286,865	\$0	\$0	0.00	0.00	0.00
23	<a href="#">2022-06-15-02</a>	Caesar Rodney School District	Dover Air Force Base School Budget	\$10,648,061	\$0	\$0	0.00	0.00	0.00

**Higher Education**

1	5352	Delaware Technical Community College	Pell Grant Program DTCC CW	\$20,613,529	\$0	\$0			
2	5353	Delaware Technical Community College	Federal Direct Student Loan Program	\$18,517,077	\$0	\$0			
3	5356	Delaware Technical Community College	Federal Work Study Program DTCC	\$352,664	\$105,117	\$0			
4	5357	Delaware Technical Community College	Federal Supplemental Educational Opportunity Grants DTCC	\$387,773	\$131,390	\$0			
5	<a href="#">2021-10-02-02 Amendment</a>	Delaware State University	Community Well-Being Initiative Kent County Expansion	\$2,339,423	\$0	\$0			
6	<a href="#">2022-07-09-01</a>	Delaware State University	Expanding Career Pathways for Minorities in Food and Agricultural Sciences	\$150,000	\$0	\$0			
7	<a href="#">2022-07-09-02</a>	Delaware State University	Acquisition of a LECO CN828 Carbon/Nitrogen Determinator	\$56,544	\$0	\$0			
8	<a href="#">2022-07-09-03</a>	Delaware State University	US Embassy Abidjan, Public Affairs Section	\$25,000	\$0	\$0			
9	<a href="#">2022-07-09-04</a>	Delaware State University	MBDA/Minority College and Universities	\$601,422	\$0	\$0			
10	<a href="#">2022-07-09-05</a>	Delaware State University	Equitable, Climate-Resilient Decarbonization of the Philadelphia-Newark Metropolitan Region Via District-Scale Energy Innovations, Forest and Farm-Circular Economy	\$1,000,670	\$0	\$0			
11	<a href="#">2022-07-09-06</a>	Delaware State University	HPC cluster to strengthen Delaware State University Genomics Core Center	\$401,848	\$0	\$0			
12	<a href="#">2022-07-09-07</a>	Delaware State University	Development of PET Imaging Agents Targeting VEGFR3 in the Meningeal Lymphatic System	\$211,789	\$0	\$0			
13	<a href="#">2022-07-09-08</a>	Delaware State University	Visioning a Fisheries and Aquaculture Innovation Center to Strengthen the DE Seafood System	\$0	\$0	\$46,674			
14	<a href="#">2022-07-09-09</a>	Delaware State University	Swimming to Water Competency	\$0	\$0	\$75,000			
15	<a href="#">2022-07-09-10</a>	Delaware State University	Advancing Healthy Lifestyles: Chronic Disease, Health Equity and COVID 19: Phase II	\$59,999	\$0	\$0			
16	<a href="#">2022-07-09-11</a>	Delaware State University	AG Discovery Summer Enrichment Program	\$54,066	\$0	\$0			
17	<a href="#">2022-07-09-12</a>	Delaware State University	Federal Supplemental Educational Opportunity Grants 2022-2023	\$224,932	\$0	\$0			
18	<a href="#">2022-07-09-13</a>	Delaware State University	Federal Work Study Program 2022-2023	\$228,436	\$0	\$0			
19	<a href="#">2022-07-16-01</a>	University of Delaware	Development of Market-Oriented High-Value Co-Products from Municipal Solid Wastes	\$0	\$0	\$277,116			
20	<a href="#">2022-07-16-02</a>	University of Delaware	Sleep Extension + Timed Eating: A Novel, Integrated Approach to Prevent Overt Cardiovascular Disease in at-Risk Mid-Life Adults	\$841,083	\$0	\$0			
21	<a href="#">2022-07-16-03</a>	University of Delaware	Low Voltage E-SWIR APD	\$0	\$0	\$37,501			
22	<a href="#">2022-07-16-04</a>	University of Delaware	Cerebral Palsy Research Network - Data Coordinating Center	\$0	\$0	\$1,241,655			

23	2022-07-16-05	University of Delaware	Proton Exchange Membrane Research for Cost-Competitive Zero-Emission Combat Vehicles	\$1,985,706	\$0	\$0
24	2022-07-16-06	University of Delaware	Understanding and Improving Undergraduate CS Regulation, Performance, and Motivation Using Digital Traces and Technologies	\$234,375	\$0	\$0
25	2022-07-16-07	University of Delaware	A Data-Based Evaluation of Combining Automated and Manual Inspections for Improving Railroad Safety and Cost Efficiency	\$0	\$0	\$201,116
26	2022-07-16-08	University of Delaware	The Dynamics of Anti-Immigration Attitudes in Liberal Democracies	\$0	\$0	\$15,000
27	2022-07-16-09	University of Delaware	The Dynamics of Anti-Immigration Attitudes in Liberal Democracies	\$0	\$0	\$2,500
28	2022-07-16-10	University of Delaware	Acquisition of Goods and Services	\$2,727	\$0	\$0
29	2022-07-16-11	University of Delaware	Acquisition of Goods and Services	\$4,545	\$0	\$0
30	2022-07-16-12	University of Delaware	Acquisition of Goods and Services	\$18,182	\$0	\$0
31	2022-07-16-13	University of Delaware	NOAA NWS National Mesonet Program 2021	\$0	\$0	\$19,243
32	2022-07-16-14	University of Delaware	Coordination and Dissemination of Technical Assistance to Support Rural Communities, Region 3	\$0	\$0	\$130,000
33	2022-07-16-15	University of Delaware	Quantifying Crop Biomechanics Across Plant Lifespans	\$4,000	\$0	\$0
34	2022-07-16-16	University of Delaware	mm-Wave GaN HEMT Prototyping	\$0	\$0	\$48,205
35	2022-07-16-17	University of Delaware	Mapping Global Irrigated and Rainfed Croplands	\$0	\$0	\$15,000
36	2022-07-16-18	University of Delaware	Cooperative Extension Service Immunization Education	\$0	\$0	\$249,803
37	2022-07-16-19	University of Delaware	Additively Manufactured Low-Density, Flexible, and Structural Insulators for Hypersonic Vehicles	\$0	\$0	\$38,902
38	2022-07-16-20	University of Delaware	Coaching Support for Envision Math High School Teachers	\$0	\$0	\$32,938
39	2022-07-16-21	University of Delaware	Professional Coaching to Improve Bookworms Reading & Writing Curriculum Implementation	\$0	\$0	\$9,263
40	2022-07-16-22	University of Delaware	Predicting Language and Literacy Growth in Children with ASD Using Statistical Learning	\$0	\$0	\$313,449
41	2022-07-16-23	University of Delaware	Assessing Childcare Subsidized by the Child Care and Development Fund: Eligible Families Experiences	\$1,073,117	\$0	\$0
42	2022-07-16-24	University of Delaware	CogniSense: Center on Cognitive Multispectral Sensors	\$0	\$0	\$591,874
43	2022-07-16-25	University of Delaware	Delaware Sea Grant: Enhancing Coastal Adaptation and Resilience	\$93,435	\$0	\$0
44	2022-07-16-26	University of Delaware	A Critical, Ecological Perspective on Wallace Foundation Research Production, Diffusion, and Use	\$0	\$0	\$468,575
45	2022-07-16-27	University of Delaware	Human Interfaces for Latent Explanations and Alignment of AI Policies (HILEAP)	\$0	\$0	\$59,349
46	2022-07-16-28	University of Delaware	Public Health Extreme Events Research (PHEER): A Collaborative, Multi-Institutional Approach to Conducting Time-Sensitive Public Health Disaster	\$0	\$0	\$31,672
47	2022-07-16-29	University of Delaware	A Conservative Low Rank High Order Tensor Approach for Nonlinear Vlasov Equations	\$294,179	\$0	\$0
48	2022-07-16-30	University of Delaware	Multi-Scale Meniscus Mechano-Adaptation with Altered Loading	\$2,696,861	\$0	\$0
49	2022-07-16-31	University of Delaware	Delaware SEU Energy Assessment Program	\$0	\$0	\$73,246
50	2022-07-16-32	University of Delaware	Simplifying and Mobilizing Conservation in Agriculture for a Climate Resilient Tomorrow (SMART) - Testing the Impacts of Enhanced Technical and Financial Assistance to Historically Under-Served Farmers	\$4,316,079	\$0	\$0
51	2022-07-16-33	University of Delaware	Acquisition of Orbitrap Quadrupole Mass Spectrometer for Advancing Cross-Disciplinary Research in Agro-Environment and Food Safety	\$499,219	\$0	\$0
52	2022-07-16-34	University of Delaware	Understanding and Improving Undergraduate CS Regulation, Performance, and Motivation Using Digital Traces and Technologies	\$67,031	\$0	\$0
53	2022-07-16-35	University of Delaware	Supplement to Elucidating Biogenesis and Cargo Sorting Mechanisms for Discrete Extracellular Vesicle Subpopulations in C. Elegans	\$85,159	\$0	\$0
54	2022-07-16-36	University of Delaware	A Comprehensive System for 3D Augmented Reality with Fusion on Radar, IR, Color, Depth (Using Stereo) and Classification of Hidden Target Objects	\$680,223	\$0	\$0
55	2022-07-16-37	University of Delaware	A Share of the Machine: Techno-Politics, Labor, and the Crisis of Post-War Automation	\$0	\$0	\$11,726
56	2022-07-16-38	University of Delaware	High Clearance Sprayer Enhancing Applied Agricultural Research and Extension	\$170,705	\$0	\$0
57	2022-07-16-39	University of Delaware	CSGrad4US Mentoring Program - Phase Two	\$0	\$0	\$32,633
58	2022-07-16-40	University of Delaware	4H Programming in NCC, 4H, Rt9 and Knollwood for FY2023	\$0	\$0	\$84,000



59	2022-07-16-41	University of Delaware	Wall-Bounded Streamwise Vortex Destruction	\$40,765	\$0	\$0
60	2022-07-16-42	University of Delaware	Fostering Language Development and Literacy in Times of War: Access to E-Books for Ukrainian Children	\$0	\$0	\$169,000
61	2022-07-16-43	University of Delaware	Low Cost Carbon-Carbon Manufacturing	\$0	\$0	\$40,625
62	2022-07-16-44	University of Delaware	Increase the Capacity of Service Providers to Address Stress and Mental Health Needs Among Northeast Farming Communities	\$0	\$0	\$18,182
63	2022-07-16-45	University of Delaware	Rise of Populism as a Reaction Against Global Imposition of Equality	\$0	\$0	\$15,000
64	2022-07-16-46	University of Delaware	Illustrative Math Support	\$0	\$0	\$96,239
65	2022-07-16-47	University of Delaware	Collaborative Research: Research Infrastructure: CCRI: New: Data-Driven Cybersecurity Research Infrastructure for Smart Manufacturing	\$208,363	\$0	\$0
66	2022-07-16-48	University of Delaware	Efficient and Resilient Biomanufacturing in Variable Gravity	\$0	\$0	\$266,576
67	2022-07-16-49	University of Delaware	Improving Assistive Technology Access: Expansion of the DATI Device Inventory and Implementation of AT Policy and Funding Guidance	\$827,386	\$0	\$0
68	2022-07-16-50	University of Delaware	Commercializing Process Systems Engineering Tools for Continuous Pharmaceutical Drug Product Manufacturing	\$0	\$0	\$49,554
69	2022-07-16-51	University of Delaware	Holistic Evaluation of Soil, Water, and Vegetation Related Ecosystem Services at Utility Scale Solar Installations	\$0	\$0	\$212,916
70	2022-07-16-52	University of Delaware	MRI: Acquisition of Biolayer Interferometer Octet RH16 for Label-Free Detection of Biomolecular Interactions	\$365,567	\$0	\$0
71	2022-07-16-53	University of Delaware	High Performance eSWIR APDs Based Upon Bismide Containing Compound Semiconductors	\$0	\$0	\$34,313
72	2022-07-16-54	University of Delaware	No Power, at Home Covid Diagnostic with Tactile Readout	\$275,000	\$0	\$0
73	2022-07-16-55	University of Delaware	Early Intervention for Cognitive Decline (ENCODE): A Phase I Tele-Therapy Study to Reduce Risk of Alzheimer's Disease Dementia	\$2,006,581	\$0	\$0
74	2022-07-16-56	University of Delaware	Sleep Assessment Using an e-Textile in Children with Down Syndrome	\$0	\$0	\$89,398
75	2022-07-16-57	University of Delaware	Cooperative Agreement with University of Delaware Anthropology for an Archaeological Overview and Assessment of First State National Park	\$93,851	\$0	\$0
76	2022-07-16-58	University of Delaware	Porous Molecules as a Platform for Solid-State Organometallic Chemistry	\$57,088	\$0	\$0
77	2022-07-16-59	University of Delaware	Collaborative Research: The Internal Wave Spectrum and Boundary Mixing in the Sub-Tropical South Atlantic	\$878,782	\$0	\$0
78	2022-07-16-60	University of Delaware	Center for Hierarchical and Robust Modeling of Non-Equilibrium Transport (CHARMNET)	\$0	\$0	\$453,649
79	2022-07-16-61	University of Delaware	MCAO Provencal Salary	\$0	\$0	\$126,445
80	2022-07-16-62	University of Delaware	Transient Cerebrospinal Fluid (CSF) Flow in Brain Concuss	\$0	\$0	\$114,188
81	2022-07-16-63	University of Delaware	Nemours Laurenceau Goyal 22	\$0	\$0	\$160,325
82	2022-07-16-64	University of Delaware	Coastal and Gulf Stream Ocean Alkalinity Enhancement (OAE) Experiment	\$0	\$0	\$9,613,298
83	2022-07-16-65	University of Delaware	Improving Poultry Based Food Security in North America Via the Expansion of a Novel Remote Sensing Wild Bird Surveillance Tool Linked to AI Environmental	\$0	\$0	\$83,564
84	2022-07-16-66	University of Delaware	Act Early Ambassador FY21	\$0	\$0	\$1,590
85	2022-07-16-67	University of Delaware	Analyzing 14 Years of Landbird Data for the Northern Colorado Plateau I&M Network of the National Park Service	\$48,212	\$0	\$0
86	2022-07-16-68	University of Delaware	Development and Application of Compound-Specific Oxygen Isotope Analysis for Tracing Environmental Fate of Insensitive Munitions (DNAN, NTO) and 1,4-Dioxane	\$510,540	\$0	\$0
87	2022-07-16-69	University of Delaware	Pilot Evaluation of a Targeted Mental Health Intervention for High School Students	\$0	\$0	\$18,444
88	2022-07-16-70	University of Delaware	Expanding the Geographic Coverage of the Waterfowl Tracker	\$0	\$0	\$16,383
89	2022-07-16-71	University of Delaware	CICI: TCR: Towards Resilient and Sustainable Data Center Infrastructure with Power and Thermal Safety	\$0	\$0	\$224,233
90	2022-07-16-72	University of Delaware	Mechanisms of Neuromuscular Fatigue in Huntington's Disease	\$0	\$0	\$79,374
91	2022-07-16-73	University of Delaware	Adding Insult to Injury: The Effects of Repetitive Neurotrauma on Age-Related Decline in Females and Males	\$3,203,443	\$0	\$0
92	2022-07-16-74	University of Delaware	Multisensory Processing for Balance Control in Walking	\$1,784,986	\$0	\$0
93	2022-07-16-75	University of Delaware	The Effects of Digital Skills Training on Female Labor Force Participation Targeting Females in Punjab	\$0	\$0	\$21,708
94	2022-07-16-76	University of Delaware	Establishing the Molecular Mechanism of Energy-to-Work Conversion by Dynein Motors	\$0	\$0	\$100,000
95	2022-07-16-77	University of Delaware	CC* Data Storage: Shareable, Equitable, and Extensible Data Storage for Collaborative Data-Intensive Research	\$467,526	\$0	\$0

96	2022-07-16-78	University of Delaware	Development of a New Course on "Science, Technology, and Applications of Green Hydrogen"	\$0	\$0	\$123,249
97	2022-07-16-79	University of Delaware	Randomized Algorithms for Continually-Learning Higher-Order Graph Neural Networks	\$0	\$0	\$297,472
98	2022-07-16-80	University of Delaware	Microrobot-Guided Targeting of Age-Related Reproductive Physiology	\$399,999	\$0	\$0
99	2022-07-16-81	University of Delaware	Implementing the Landbird Monitoring Protocol for the National Park Service Units of the National Capital Region Network	\$102,790	\$0	\$0
100	2022-07-16-82	University of Delaware	Collaborative Research: CPS: Medium: Cyberorganoids: Microrobotics-Enabled Differentiation Control Loops for Cyber Physical Organoid Formation	\$328,533	\$0	\$0
101	2022-07-16-83	University of Delaware	Polarimeter to Unify the Corona and Heliosphere	\$0	\$0	\$32,500
102	2022-07-16-84	University of Delaware	NERME Meat and Poultry Processing Grants	\$591,089	\$0	\$0
103	2022-07-16-85	University of Delaware	Acquisition of Goods and Services	\$10,000	\$0	\$0
104	2022-07-16-86	University of Delaware	Field Demonstration of an Integrated Nanoscale Zero Valent Iron-Hydrogen Peroxide Process for Complete Destruction of Munitions Compounds in Wastewater	\$0	\$0	\$45,432
105	2022-07-16-87	University of Delaware	Increasing Access to Teacher Education for Students of Color: Building a Pipeline from High School Teacher Academies to the University of Delaware (UD Teacher Pipeline Project)	\$121,935	\$0	\$0
106	2022-07-16-88	University of Delaware	Toolkit for Fast, Multipurpose and Inducible Bioorthogonal Chemistry	\$1,847,078	\$0	\$0
107	2022-07-16-89	University of Delaware	Coaching to Improve the Implementation of the Bookworms Reading and Writing Curriculum	\$0	\$0	\$12,351
108	2022-07-16-90	University of Delaware	The Foundation for Renewable Energy and Environment (FREE) Graduate Assistantship 2022/2023	\$0	\$0	\$26,339
109	2022-07-16-91	University of Delaware	Sussex County Appropriation Sussex Fiscal Years 2023 - 2027	\$0	\$0	\$109,049
110	2022-07-16-92	University of Delaware	Doctoral Dissertation Research: Time is of the Essence: Measuring Offline Speech-Motor Learning Through Electrophysiological and Neurobiological Indices	\$12,000	\$0	\$0
111	2022-07-16-93	University of Delaware	Career: Characterization and Development of Prokaryotic Argonauts for Synthetic Biology	\$6,000	\$0	\$0
112	2022-07-16-94	University of Delaware	Illuminating the Role of Adipose GPR18 in Obesity-Induced Endothelial Dysfunction	\$99,514	\$0	\$0
113	2022-07-16-95	University of Delaware	Cerebral Palsy Research Network - Data Coordinating Center	\$0	\$0	\$1,089,540
114	2022-07-16-96	University of Delaware	Reproductive Ecology of Sika Deer on the Delmarva Peninsula	\$0	\$0	\$301,982
115	2022-07-16-97	University of Delaware	Ars Biirl Coop Agmt Bartlett22	\$77,257	\$0	\$0
116	2022-07-16-98	University of Delaware	Comprehensive Description of Differential Lead Exposure Among U.S. Schools	\$0	\$0	\$43,478

7/14/2022

**Delaware State Clearinghouse Committee**  
**August Agenda**  
Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901  
**August 16, 2022 @ 10:00am**

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
<b>New Business*</b>									
1	<a href="#">5131 Amendment</a>	Department of Health and Social Services, Public Health, Community Health	Maternal and Child Health Services - Switch Fund	\$0	\$0	\$0	-2.00	2.00	0.00
2	<a href="#">5347</a>	Department of Health and Social Services, Public Health, Community Health	Farmer's Market Nutrition Program Modernization - ARP COVID-19	\$248,934	\$0	\$0	0.00	0.00	0.00
3	<a href="#">5446</a>	Department of Health and Social Services, Public Health, Community Health	Small, Underserved and Disadvantaged Communities Emerging Contaminants - IIJA	\$231,000	\$0	\$0	0.00	0.00	0.00
4	<a href="#">5493</a>	Department of Health and Social Services, Substance Abuse and Mental Health Administration	State Opioid Response Grant	\$37,282,640	\$0	\$0	8.00	0.00	0.00
5	<a href="#">5543</a>	Department of Health and Social Services, Substance Abuse and Mental Health	Rural Communities Opioid Response Program	\$500,000	\$0	\$0	0.00	0.00	0.00
6	<a href="#">5476</a>	Department of Services for Children, Youth and Their Families, Division of Prevention and Behavioral Health Services, Prevention/Early Intervention	Garrett Lee Smith Suicide Prevention Grant	\$735,000	\$0	\$0	0.00	0.00	0.00
7	<a href="#">5431</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Blades Groundwater Operable Unit 2 Remedial Investigation Feasibility Study	\$15,272	\$0	\$0	0.10	0.00	0.00
8	<a href="#">5452</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Leaking Underground Storage Tank Cleanup - Switch Fund	\$1,782,840	\$198,093	\$0	4.30	0.00	0.00
9	<a href="#">5456</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Hazardous Waste Management Program - Switch Fund	\$2,296,964	\$765,654	\$0	7.25	1.70	0.00
10	<a href="#">5485</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Creating an Alerting System for Wildlife - ARP COVID-19	\$690,863	\$0	\$0	0.00	0.00	0.00
11	<a href="#">5486</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Wild Bird and Environmental Surveillance - ARP COVID-19	\$437,770	\$0	\$0	0.00	0.00	0.00
12	<a href="#">5415</a>	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Hazard Mitigation DR-4526 COVID-19	\$6,500,644	\$217,200	\$505,094	2.00	0.00	0.00
13	<a href="#">5542</a>	Christina School District	Expand Implementation of the Advancement through Individual Determination (AVID) Program	\$250,000	\$0	\$0	0.00	0.00	0.00
<b>Continued</b>									
1	<a href="#">5460</a>	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	Medicare Improvements for Patients & Provider Act State Health Insurance Assistance	\$64,854	\$29,826	\$0	0.40	0.30	0.00
2	<a href="#">5461</a>	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	Medicare Improvements for Patients & Provider Act Area on Aging	\$53,736	\$0	\$0	0.10	0.00	0.00
3	<a href="#">5462</a>	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	Medicare Improvements for Patients & Provider Act Aging and Disability Resource Center	\$33,540	\$0	\$0	0.10	0.00	0.00
4	<a href="#">5492</a>	Department of State, Historical and Cultural Affairs, Office of the Director	Historic Preservation Grant-in-Aid	\$597,572	\$398,381	\$0	5.40	3.50	0.00
5	<a href="#">5390</a>	Department of Health and Social Services, Medicaid and Medical Assistance	Medicaid Services XIX-MAP23	\$1,743,785,064	\$859,759,884	\$0	0.00	0.00	0.00
6	<a href="#">5399</a>	Department of Health and Social Services, Medicaid and Medical Assistance	Children's Health Insurance Program	\$47,995,342	\$7,341,194	\$0	1.42	1.41	0.00
7	<a href="#">5400</a>	Department of Health and Social Services, Substance Abuse and Mental Health Administration	Medicaid Administration - Title XIX	\$4,223,930	\$22,739,066	\$0	189.18	166.88	0.00
8	<a href="#">5405</a>	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program	\$17,000,000	\$17,000,000	\$0	133.78	133.88	0.00
9	<a href="#">5406</a>	Department of Health and Social Services, Social Services	Child Care Development-Discretionary	\$15,036,274	\$1,688,178	\$0	17.55	18.35	0.00

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

10	<a href="#">5414</a>	Department of Health and Social Services, Social Services	Temporary Assistance for Needy Families	\$32,290,981	\$30,422,730	\$0	28.67	23.87	0.00
11	<a href="#">5432</a>	Department of Health and Social Services, Public Health, Community Health	Special Supplement Nutrition Program for Women, Infants and Children - Administration	\$6,563,599	\$0	\$0	50.00	0.00	0.00
12	<a href="#">5433</a>	Department of Health and Social Services, Public Health, Community Health	Special Supplement Nutrition Program for Women, Infants and Children	\$9,877,014	\$5,315,900	\$0	0.00	0.00	0.00
13	<a href="#">5434</a>	Department of Health and Social Services, Public Health, Community Health	Special Supplemental Nutrition Program for Women, Infants and Children - Breastfeeding	\$275,248	\$0	\$0	0.00	0.00	0.00
14	<a href="#">5447</a>	Department of Health and Social Services, Public Health, Community Health	EPA State Lead-Based Paint Program - Combined	\$340,215	\$0	\$0	1.50	0.00	0.00
15	<a href="#">5466</a>	Department of Health and Social Services, Public Health, Community Health	Preventive Health and Health Services Block Grant	\$287,667	\$0	\$0	0.00	0.00	0.00
16	<a href="#">5491</a>	Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health	Projects for Assistance in Transition from Homelessness	\$300,000	\$100,000	\$0	0.00	0.00	0.00
17	<a href="#">5545</a>	Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health	Community Mental Health Block Grant	\$1,726,567	\$0	\$0	1.00	0.00	0.00
18	<a href="#">5374</a>	Department of Health and Social Services, Public Health, Community Health	Hospital Preparedness Program	\$1,086,723	\$108,998	\$0	2.15	0.33	0.00
19	<a href="#">5375</a>	Department of Health and Social Services, Public Health, Community Health	Delaware Perinatal Cooperative	\$275,000	\$0	\$0	0.00	0.00	0.00
20	<a href="#">5388</a>	Department of Health and Social Services, Public Health, Community Health	Maternal, Infant & Early Childhood Home Visiting Grant	\$3,684,909	\$1,710,065	\$0	1.50	0.00	0.00
21	<a href="#">5419</a>	Department of Health and Social Services, Social Services	Child Care Development Fund - Mandatory	\$5,179,330	\$5,179,325	\$0	0.00	0.00	0.00
22	<a href="#">5435</a>	Department of Health and Social Services, Child Support Services	Child Support Enforcement	\$23,649,917	\$11,341,088	\$0	124.08	63.92	0.00
23	<a href="#">5436</a>	Department of Health and Social Services, Child Support Services	Child Support Enforcement Incentive	\$1,286,974	\$0	\$0	21.00	0.00	0.00
24	<a href="#">5467</a>	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B Subpart 1 - Child Welfare Services	\$821,249	\$273,750	\$0	3.00	0.00	0.00
25	<a href="#">5468</a>	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B, Subpart 2 - Promoting Safe and Stable Families	\$983,722	\$612,600	\$0	2.00	6.00	0.00
26	<a href="#">5469</a>	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-E - Independent Living Program	\$500,000	\$125,000	\$0	2.00	0.00	0.00
27	<a href="#">5470</a>	Department of Services for Children, Youth, and Their Families, Family Services, Intake/Investigation	Child Abuse Prevention and Treatment Act	\$289,885	\$0	\$0	4.00	0.00	0.00
28	<a href="#">5471</a>	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV, Part E - Education and Training Vouchers	\$49,781	\$12,445	\$0	0.00	0.00	0.00
29	<a href="#">5472</a>	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B, Subpart 2 - Promoting Safe and Stable Families	\$62,295	\$20,765	\$0	0.00	0.00	0.00
30	<a href="#">5474</a>	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-E Adoption Assistance	\$4,832,116	\$4,832,116	\$0	0.00	0.00	0.00
31	<a href="#">5475</a>	Department of Services for Children, Youth and Their Families, Management Support Services, Office of the Secretary	Title IV-E Foster Care	\$4,544,000	\$4,544,000	\$0	0.00	0.00	0.00
32	<a href="#">5449</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Leaking Underground Storage Tank Prevention	\$796,185	\$265,395	\$0	3.00	0.80	0.00
33	<a href="#">5453</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Water Quality Management - Planning	\$150,000	\$0	\$0	0.20	0.00	0.00
34	<a href="#">5458</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Recreational Boating Safety Financial Assistance	\$1,054,156	\$1,054,156	\$0	6.25	9.95	0.00
35	<a href="#">3860 Amendment</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Hockessin Site Wide Remediation Investigation and Feasibility Study	\$5,000	\$0	\$0	0.04	0.00	0.00

36	<a href="#">3998 Amendment</a>	Department of Natural Resources and Environmental Control, Office of the Environmental Protection, Division of Waste and Hazardous Substances	Hockessin Cleaners PCE Site Operable Unit 2 Remedial Investigation and Feasibility Study	\$5,000	\$0	\$0	0.04	0.00	0.00
37	<a href="#">4766 Amendment</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Blades Groundwater Operable Unit 1 Remedial Investigation and Feasibility Study	\$12,354	\$0	\$0	0.10	0.00	0.00
38	<a href="#">4963 Amendment</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Office of Environmental Protection, Air Quality	State Clean Diesel Grant Program	\$446,972	\$698,701	\$845,541	0.00	0.00	0.00
39	<a href="#">5402</a>	Department of Natural Resources and Environmental Control, Waste and Hazardous Substances	Support Agency Cooperative Agreement - Preliminary Assessment/Site Inspection	\$241,027	\$0	\$0	1.10	0.00	0.00
40	<a href="#">5411</a>	Department of Natural Resources and Environmental Control, Waste and Hazardous Substances	Support Agency Cooperative Agreement - NCR Millsboro	\$6,502	\$0	\$0	0.06	0.00	0.00
41	<a href="#">5425</a>	Department of Natural Resources and Environmental Control, Watershed Stewardship	Community Assistance Program	\$119,749	\$29,937	\$0	1.00	0.15	0.00
42	<a href="#">5427</a>	Department of Natural Resources and Environmental Control, Fish and Wildlife	Port Security Grant Program (DNREC)	\$411,234	\$137,078	\$0	0.00	0.00	0.00
43	<a href="#">5430</a>	Department of Natural Resources and Environmental Control, Fish and Wildlife	Joint Enforcement Agreement	\$248,883	\$747	\$0	1.80	0.00	0.00
44	<a href="#">5454</a>	Department of Safety and Homeland Security, State Police, Criminal Investigation	Port Security Grant Program (DSHS)	\$587,250	\$95,750	\$0	0.00	0.00	0.00
45	<a href="#">2022-06-15-03</a>	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Radiological Emergency Preparedness (REP) Program	\$0	\$0	\$1,344,272	0.00	0.00	10.75
46	<a href="#">5451</a>	Department of Labor, Employment and Training, Employment and Training Services	Wagner-Peyser Act Employment Services	\$1,900,099	\$0	\$0	19.90	0.00	0.00
47	<a href="#">5424</a>	Department of Agriculture, Plant Industries	Farm Bill-National Honeybee Survey	\$13,800	\$0	\$0	0.00	0.00	0.00
48	<a href="#">5495</a>	Department of Education, Student Support	Pandemic EBT Local Level Administrative Cost Grant - CRRSA COVID-19	\$91,515	\$0	\$0	0.00	0.00	0.00
49	<a href="#">5521</a>	Colonial School District	School Violence Prevention Program	\$492,700	\$164,233	\$0	0.00	0.00	0.00

**Higher Education**

1	2022-08-06-03	Delaware State University	Modernizing a Shared-Use Animal Facility Supporting Neuroscience Research at an HBCU	\$332,600	\$0	\$0			
2	2022-08-06-04	Delaware State University	Child and Adult Care Food Program (CACFP) FY22	\$22,887	\$0	\$0			
3	2022-08-06-05	Delaware State University	Settlers of the Milky Way: A Culturally Responsive Astrobiology Modeling Project to Increase Minority Student Engagement and Confidence in Mathematics and Science	\$252,336	\$0	\$0			
4	2022-08-06-06	Delaware State University	Evaluation of Dover PSN Year 4	\$0	\$0	\$9,085			
5	2022-08-06-07	Delaware State University	CyberOrganoids: Microrobotics-Enabled Differentiation Control Loops for Cyber Physical Organoid Formation	\$98,934	\$0	\$0			
6	2022-08-06-08	Delaware State University	Defect Engineering in 2D Systems for Photonic and Nano-Devices (2D-SPAND)	\$996,272	\$0	\$0			
7	2022-08-06-09	Delaware State University	FAB: A Heterogeneous Ferroelectronics Platform for Accelerating Big Data Analytics	\$84,747	\$0	\$0			
8	2022-08-06-10	Delaware State University	Implementation, Management, and Sustainment of the IMPROVE Project	\$1,499,999	\$0	\$0			
9	2022-08-06-11	Delaware State University	CRISPR/Cas9 to Study Peptide Induced Histone Modifications in Legumes	\$44,950	\$0	\$0			
10	2022-08-06-12	Delaware State University	CAREER: Microporous Organic Polymer Based Membranes: Atom Transfer Radical Polymerization (ATRP) Synthesis from Dual-Role Synthons and Application for Direct Carbon Dioxide Capture from Air	\$501,652	\$0	\$0			
11	2022-08-13-01	University of Delaware	Collaborative Research: Harnessing Mobility: The Developmental Dynamics of Locomotion, Object Exploration, and Communication in Infant-Caregiver Dads	\$355,100	\$0	\$0			
12	2022-08-13-02	University of Delaware	High-Resolution, Anisotropic MR Elastography of the Brain	\$2,714,608	\$0	\$0			
13	2022-08-13-03	University of Delaware	Coaching to Support the Implementation of Bookworms Reading and Writing Curriculum	\$0	\$0	\$1,545			
14	2022-08-13-04	University of Delaware	Coaching with Observation and Feedback to Support the Implementation of Bookworms Reading and Writing Curriculum K-5	\$0	\$0	\$2,059			
15	2022-08-13-05	University of Delaware	Bookworms Coaching & Professional Learning Support at NLELA, LES & LMS	\$0	\$0	\$78,741			

16	2022-08-13-06	University of Delaware	RWJF Health Policy Scholar's Program 2021 Calaia Jackson	\$0	\$0	\$124,000
17	2022-08-13-07	University of Delaware	Wood Duck Reproductive Success and Brood Ecology from Artificial Nest Boxes in the Delmarva Peninsula	\$0	\$0	\$78,564
18	2022-08-13-08	University of Delaware	How "Mattering" Matters: Leveraging Relational Practices to Reduce School Inequalities for Black and Latinx Adolescents	\$0	\$0	\$325,574
19	2022-08-13-09	University of Delaware	Sintering of Recycled Nd-Fe-B Powders	\$0	\$0	\$7,500
20	2022-08-13-10	University of Delaware	#KeepPlaying: Moving Public Opinion on Transgender Students' Inclusion in Sports	\$0	\$0	\$4,800
21	2022-08-13-11	University of Delaware	Doctoral Dissertation Research: Examining the Role of Code-Switching on Word Recognition and Word Learning Across Cultures	\$12,000	\$0	\$0
22	2022-08-13-12	University of Delaware	Career: Moving During Deliberation Online Interplay Between Deciding and Acting	\$386,112	\$0	\$0
23	2022-08-13-13	University of Delaware	ISS: Kinetics of Nanoparticle Self-Assembly in Directing Fields	\$14,469	\$0	\$0
24	2022-08-13-14	University of Delaware	Impact of PIP5K1 on Extracellular Vesicle Biogenesis	\$100,000	\$0	\$0
25	2022-08-13-15	University of Delaware	The Impacts of Global Large-Scale Land Acquisitions on Local Socio-Ecological Systems	\$0	\$0	\$48,750
26	2022-08-13-16	University of Delaware	Community Comms: A Hybrid Web Usage Mining, Crowd-powered, Online News Media Literacy Network	\$0	\$0	\$74,664
27	2022-08-13-17	University of Delaware	The National Institute for Innovation in Manufacturing Biopharmaceuticals (NIIMBL)	\$51,671,809	\$0	\$0
28	2022-08-13-18	University of Delaware	University of Delaware Biopharmaceutical Manufacturing Innovation Equipment	\$2,906,250	\$0	\$0
29	2022-08-13-19	University of Delaware	Evaluation of the 2022 Cycle of the Regional Educational Laboratories Program	\$0	\$0	\$111,594
30	2022-08-13-20	University of Delaware	Social Norms Project	\$0	\$0	\$7,150
31	2022-08-13-21	University of Delaware	Development and Assessment of Sustainable Hemp Feedstock for the Bioeconomy	\$0	\$0	\$999,192
32	2022-08-13-22	University of Delaware	University of Delaware Child Care Access Means Parents in School Program (UD-CCAMPIS)	\$1,044,311	\$0	\$0
33	2022-08-13-23	University of Delaware	The Influence of Virtual Reality Environments on Voice Perception and Production	\$279,846	\$0	\$0
34	2022-08-13-24	University of Delaware	Fude-TG: NSF Future of Semiconductors Center for Heterogeneous Power Microsystems-on-Dielets (HPMoD)	\$0	\$0	\$58,893
35	2022-08-13-25	University of Delaware	ISGF V2G India	\$0	\$0	\$101,014
36	2022-08-13-26	University of Delaware	Stabilizing and Disseminating the Center for Historic Architecture and Designs Archive of Vanishing Historic Architecture of the Mid-Atlantic	\$251,448	\$0	\$0
37	2022-08-13-27	University of Delaware	Doctoral Dissertation Research: Creation, Perception and Use of Gender Expansive Synthetic Voices	\$12,000	\$0	\$0
38	2022-08-13-28	University of Delaware	CAREER: Computational Principles of Motor Decision-Making: From Deliberative Strategies to Automatic Action Selection	\$395,369	\$0	\$0
39	2022-08-13-29	University of Delaware	Antecedents, Mechanisms, and Outcomes of Extreme Intergroup Antipathy	\$453,125	\$0	\$0
40	2022-08-13-30	University of Delaware	Feodor Lynen Fellowship Host Contribution: General number and the DP/NP Question	\$68,365	\$0	\$0
41	2022-08-13-31	University of Delaware	Doctoral Dissertation Research: Differential Object Marking (DOM) in Burmese	\$11,986	\$0	\$0
42	2022-08-13-32	University of Delaware	Career: Regulation of Cyclic-Di-AMP Metabolism and Functions in Bacteria	\$904,815	\$0	\$0
43	2022-08-13-33	University of Delaware	CAREER: Accelerating General-Purpose Encrypted Computation on Diverse Hardware	\$329,926	\$0	\$0
44	2022-08-13-34	University of Delaware	The Relationship Between Child Language Proficiency and Language of Treatment on the Outcomes of Bilingual Children with Developmental Language Disorder	\$0	\$0	\$696,528
45	2022-08-13-35	University of Delaware	Understanding Adolescent Covid-19 Vaccination and the Influence of Parents and Social Media as Information Sources	\$275,000	\$0	\$0
46	2022-08-13-36	University of Delaware	Enhancing Soil Regeneration with Climate Smart Application of Poultry Litter Via Equipment and Supply Chain Innovation and Market Expansion for Organic Production	\$0	\$0	\$102,205
47	2022-08-13-37	University of Delaware	Delaware Digital Collections Portal	\$48,830	\$0	\$0
48	2022-08-13-38	University of Delaware	LTER: Ecological Response and Resilience to Press-Pulse Disturbances and a Recent Decadal Reversal in Sea Ice Trends Along the West Antarctic Peninsula	\$0	\$0	\$51,500
49	2022-08-13-39	University of Delaware	Co-Design of Atomically-Precise Fabrication for Future Semiconductor Manufacturing	\$232,559	\$0	\$0
50	2022-08-13-40	University of Delaware	CAREER: Enhancing GaN-on-Si High Electron Mobility Transistor Technology for High Frequency and High Power Applications	\$381,208	\$0	\$0

51	2022-08-13-41	University of Delaware	Emergency Poultry Disease Response and Policy (EPDRP) International Symposium and Veterinary Diagnostic Laboratory Quality Assurance (VDLQA) Symposium	\$336,320	\$0	\$0
52	2022-08-13-42	University of Delaware	NSF Convergence Accelerator Track H: "About Us, Not Without Us": Designing Inclusive Apparel Products and Empowering Employment for PWD	\$539,730	\$0	\$0
53	2022-08-13-43	University of Delaware	CAREER: Aerosol Transport in Well-Defined Periodic Porous Metamaterials	\$490,218	\$0	\$0
54	2022-08-13-44	University of Delaware	The Blue Edge of the Helium White Dwarf Instability Strip	\$0	\$0	\$126,134
55	2022-08-13-45	University of Delaware	The Origins and Evolution of Helium Atmosphere White Dwarfs	\$0	\$0	\$65,131
56	2022-08-13-46	University of Delaware	Divide and ConQuery: Gamifying Natural Language Query Construction to Minimize Data Subset Divergence	\$0	\$0	\$49,922
57	2022-08-13-47	University of Delaware	CAREER: Exercising to Learn: A Cross-Cultural Investigation of the Role of Physical Activity of Second-Language Learning	\$358,751	\$0	\$0
58	2022-08-13-48	University of Delaware	Machine Learning Approaches to Map Fine-Scale Changes in Smallholder Agricultural Systems	\$237,645	\$0	\$0
59	2022-08-13-49	University of Delaware	NSF Convergence Accelerator Track I: Sustainable Materials for Global Challenges: Recycled Textile and Apparel Manufacturing Ecosystems (RETAME)	\$507,838	\$0	\$0
60	2022-08-13-50	University of Delaware	Development of Volume Manufacturing Processes for Chalcogenide Hybrid Inorganic/Organic Polymer Optics	\$0	\$0	\$29,014
61	2022-08-13-51	University of Delaware	A Compact Electrochemical DAC System	\$2,124,401	\$0	\$0
62	2022-08-13-52	University of Delaware	Microrobot-Guided Targeting of Prostate Tumors	\$899,999	\$0	\$0
63	2022-08-13-53	University of Delaware	Fuse-TG: Enhanced Functionality and Performance of Semiconductor-Based Computing and Communication Through Chiplet-Like Heterointegration	\$0	\$0	\$59,050
64	2022-08-13-54	University of Delaware	Columbia World Projects: Columbia Center for Women's Health Innovation Evaluation	\$0	\$0	\$135,059
65	2022-08-13-55	University of Delaware	CAREER: Towards a Neuro-Motivational Model of Speech Development	\$361,296	\$0	\$0
66	2022-08-13-56	University of Delaware	Active- and Meta-Learning AI Techniques for Device and Material Simulation	\$0	\$0	\$343,310
67	2022-08-13-57	University of Delaware	A Comprehensive Multi-Vehicle Based Deep Learning System for Diurnal Multimodal Hidden Targets Detection	\$3,481,736	\$0	\$0
68	2022-08-13-58	University of Delaware	Proposed Preceptorship Experience for Kristin Wolf in the Delaware ACTIVE Lab	\$0	\$0	\$1,000
69	2022-08-13-59	University of Delaware	Proposed Preceptorship Experience for Joseph Whiting in the Delaware ACTIVE Lab	\$0	\$0	\$1,000
70	2022-08-13-60	University of Delaware	Chicken SATB1 Reprograms Gene Expression During Marek's Disease Virus Infection	\$0	\$0	\$93,521
71	2022-08-13-61	University of Delaware	Integrated Photonic Metalens System for Low Swap Advanced SWIR Imager	\$801,082	\$0	\$0
72	2022-08-13-62	University of Delaware	CAREER: Toward Securing Serverless Computing on Containers	\$364,046	\$0	\$0
73	2022-08-13-63	University of Delaware	CAREER: Van Der Waals Phase Change Material for Integrated Photonic Memory	\$360,258	\$0	\$0
74	2022-08-13-64	University of Delaware	CAREER: Control of Magnon Interactions in Nanoscale Networks	\$421,286	\$0	\$0
75	2022-08-13-65	University of Delaware	CAREER: Establishing the Mechanistic Role of Differential Phosphorylation in Regulating Viral Life-Cycle Processes	\$615,870	\$0	\$0
76	2022-08-13-66	University of Delaware	Sensorimotor Control of Balance During Walking	\$688,634	\$0	\$0
77	2022-08-13-67	University of Delaware	High Power Low Loss GaN-on-Si Based RF Switches for W-Band and G-Band Atmospheric Radars	\$836,643	\$0	\$0
78	2022-08-13-68	University of Delaware	CAREER: Blockchain Multi-Agent Learning for Privacy-Preserving Mobility Services	\$356,609	\$0	\$0
79	2022-08-13-69	University of Delaware	Assessment of Achilles Tendon Injury in Adolescents	\$100,529	\$0	\$0
80	2022-08-13-70	University of Delaware	AUCD/CDC Act Early Ambassador FY23 Mallory	\$0	\$0	\$9,500
81	2022-08-13-71	University of Delaware	CAREER: Block Polyelectrolyte Complexes for Controlled Mixed Ionic-Electronic Conduction	\$413,743	\$0	\$0
82	2022-08-13-72	University of Delaware	CAREER: Understanding Regulatory Modalities of Bacterial ATP-Dependent Proteases	\$521,097	\$0	\$0
83	2022-08-13-73	University of Delaware	CAREER: Biochemical and Structural Mechanisms Controlling tRNA-Modifying Metalloenzymes	\$642,180	\$0	\$0
84	2022-08-13-74	University of Delaware	CAREER: Design and Swarm Control of Responsive Microrobots for Targeted Delivery of Therapeutics	\$366,616	\$0	\$0
85	2022-08-13-75	University of Delaware	CAREER: Build Long-Term Climate Resilience in 21st-Century Regional Urban Land Systems Through Integrated Data-Driven Research and Education	\$346,609	\$0	\$0

86	2022-08-13-76	University of Delaware	PFC: Quantum SENSors for Exploring the Dark Sector (QSEEDS)	\$0	\$0	\$375,000
87	2022-08-13-77	University of Delaware	Louis Stokes STEM Pathways and Research Alliance: Greater Philadelphia Region LSAMP (Philadelphia AMP)	\$0	\$0	\$148,120
88	2022-08-13-78	University of Delaware	CAREER: Improving Fairness in Healthcare AI	\$387,784	\$0	\$0
89	2022-08-13-79	University of Delaware	Conference: PhonoEEGy 2	\$31,064	\$0	\$0
90	2022-08-13-80	University of Delaware	CAREER: The Science of Novel Immiscible Biphasic and Transport-Selective Electrolytes for Stable Precipitation-Dissolution Battery Chemistries	\$433,234	\$0	\$0
91	2022-08-13-81	University of Delaware	Climate-Smart Sustainable Agriculture: Transform Wastes to Fuel and Fertilizer and Converge AI for Enhancing Crop Yield and Soil Health	\$8,986,745	\$0	\$0
92	2022-08-13-82	University of Delaware	Advancing Healthy Lifestyles FY23	\$0	\$0	\$42,712
93	2022-08-13-83	University of Delaware	CAREER: Augmenting Protein Biochemistry in Live Cells by Designing a Platform for Non-Standard Amino Acid Biosynthesis	\$797,580	\$0	\$0
94	2022-08-13-84	University of Delaware	CAREER: The Large-Scale Quantification of Climate Risk Adaptations	\$315,791	\$0	\$0
95	2022-08-13-85	University of Delaware	HEALTH (Health, Engagement, Access, Learning, Teaching and Humanity) for All, 2023-2026	\$0	\$0	\$909,090
96	2022-08-13-86	University of Delaware	Educational Affiliation and Biomedical Services	\$0	\$0	\$40,100
97	2022-08-13-87	University of Delaware	Christiana Care Health Care Services Research Amendment 16	\$0	\$0	\$126,956
98	2022-08-13-88	University of Delaware	Christiana Care HealthCare Services Research Amendment 17	\$0	\$0	\$28,783
99	2022-08-13-89	University of Delaware	Doctoral Fellowship Initiative for Saeed Esfandi	\$0	\$0	\$26,339
100	2022-08-13-90	University of Delaware	MOU Between UD and AvriServe LLC - Extension	\$0	\$0	\$61,200
101	2022-08-13-91	University of Delaware	Evaluating the Evidence on Racial Disproportionality in Special Education	\$0	\$0	\$8,513
102	2022-08-13-92	University of Delaware	CAREER: Toward Trustworthy Machine Learning for High-Stakes Scientific Applications	\$319,011	\$0	\$0
103	2022-08-13-93	University of Delaware	Speech and Communicative Timing Across Languages and Linguistic Contexts	\$0	\$0	\$40,225
104	2022-08-13-94	University of Delaware	Time is of the Essence: Investigating the Impact of Rest and Sleep on Speech-Motor Learning in Adolescents with and Without a History of Childhood Apraxia of Speech	\$100,529	\$0	\$0
105	2022-08-13-95	University of Delaware	HQIM Math Coaching & Professional Learning	\$0	\$0	\$89,035
106	2022-08-13-96	University of Delaware	Theoretical and AI/ML Prediction of Novel MALDI-MS Signatures	\$565,960	\$0	\$0
107	2022-08-13-97	University of Delaware	Evaluating the Evidence on Racial Disproportionality in Special Education	\$0	\$0	\$8,353
108	2022-08-13-98	University of Delaware	YEA Teen Agriscience (TAG) Climate Ambassadors Project	\$0	\$0	\$475,058
109	2022-08-14-01	University of Delaware	Sedentary Behavior in Knee Osteoarthritis: A Nationwide Internet-Based Cohort Study	\$1,000	\$0	\$0
110	2022-08-14-02	University of Delaware	Determination of Activation of Aluminum Sulfate on Ammonia Control for Broiler Litter Under Winter Conditions	\$0	\$0	\$7,225
111	2022-08-14-03	University of Delaware	Identifying Waves in the Solar Wind Over Multiple Solar Cycles Using Convolutional Neural Networks	\$65,621	\$0	\$0
112	2022-08-14-04	University of Delaware	TUFF/PEKK Panel Manufacturing Services	\$122,833	\$0	\$0
113	2022-08-14-05	University of Delaware	EAGER: Quantum Manufacturing: Toward Deterministic Arrays Generating Photon Cluster States	\$202,271	\$0	\$0
114	2022-08-14-06	University of Delaware	Efficacy of the DCCS Program: ESL and Classroom Teachers Working Together with Students and Families	\$0	\$0	\$12,736
115	2022-08-14-07	University of Delaware	Non-Academic Research Internships for Graduate Students (INTERN)	\$36,137	\$0	\$0
116	2022-08-14-08	University of Delaware	RSA Acquisition of Goods and Services	\$56,900	\$0	\$0

8/2/2022



**Delaware State Clearinghouse Committee**  
**September Agenda**  
Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901  
**September 20, 2022 @ 10:00am**

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
<b>New Business*</b>									
1	<a href="#">5613</a>	Department of Technology and Information, Administration	Digital Equity Planning - IJJA	\$516,096	\$0	\$0	1.00	0.00	0.00
2	<a href="#">5570</a>	Department of State, Division of Libraries	Library Telehealth	\$270,300	\$0	\$0	0.00	0.00	0.00
3	<a href="#">5496</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Infrastructure Support for Effective Basins - IJJA	\$750,000	\$0	\$0	0.00	0.00	0.00
4	<a href="#">5551</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal and Energy	Coastal Management Program Building Capacity - IJJA	\$450,000	\$0	\$0	0.00	0.00	0.00
5	<a href="#">5552</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal and Energy	National Estuarine Research Reserve Building Capacity - IJJA	\$300,000	\$0	\$0	0.00	0.00	0.00
6	<a href="#">5501</a>	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 402 Planning and Administration	\$2,990,921	\$214,986	\$0	5.00	2.00	0.00
7	<a href="#">5502</a>	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(c) Traffic Safety Information System Improvements	\$417,167	\$0	\$0	1.00	0.00	0.00
8	<a href="#">5505</a>	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(d) Impaired Driving Countermeasures	\$1,430,809	\$0	\$0	1.00	0.00	0.00
9	<a href="#">5597</a>	Department of Labor, Unemployment Insurance	Unemployment Insurance Tiger Team Grant	\$1,755,000	\$0	\$0	3.10	0.00	0.00
10	<a href="#">5560</a>	Department of Agriculture, Administration	Local Food Purchase Assistance Cooperative Agreement - ARP COVID-19	\$900,000	\$0	\$0	0.00	0.00	0.00
<b>Infrastructure Investment and Jobs Act, 2021 (IJJA) Approved at the June 27, 2022 Clearinghouse Meeting. This is a follow up to provide assigned SAI Numbers.</b>									
1	<a href="#">5464</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Clean Water State Revolving Funds: Existing Program Supplement - IJJA	\$8,738,000	\$873,800	\$0	0.00	0.00	0.00
2	<a href="#">5465</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Clean Water State Revolving Funds: Emerging Contaminants - IJJA	\$459,000	\$0	\$0	0.00	0.00	0.00
3	<a href="#">5526</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Funds: Existing Program Supplement - IJJA	\$17,992,000	\$1,799,200	\$141,186	13.50	0.00	1.75
4	<a href="#">5527</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Funds: Emerging Contaminants - IJJA	\$7,555,000	\$0	\$141,186	1.50	0.00	1.75
5	<a href="#">5528</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Funds: Lead Service Line Replacement - IJJA	\$28,350,000	\$0	\$141,186	2.00	0.00	1.75
<b>Continued</b>									
1	<a href="#">5555</a>	Executive, Criminal Justice, Criminal Justice Council	Family Violence Service and Prevention Act Grant	\$844,189	\$10,552	\$200,495	0.36	0.09	0.00
2	<a href="#">5558</a>	Executive, Criminal Justice, Criminal Justice Council	National Forensic Science Improvement Act - Coverdell	\$293,954	\$0	\$0	0.10	0.00	0.00
3	<a href="#">5559</a>	Department of State, Office of the Secretary, Administration	State Trade Expansion Program	\$100,000	\$33,333	\$0	0.00	0.00	0.00
4	<a href="#">5391</a>	Department of Health and Social Services, Social Services	Refugee Cash and Medical Assistance Program	\$114,675	\$0	\$0	0.00	0.00	0.00
5	<a href="#">5426</a>	Department of Health and Social Services, Social Services	Child Care Development Fund MATCHING	\$5,179,330	\$5,179,330	\$0	0.00	0.00	0.00
6	<a href="#">5443</a>	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title VII Elder Abuse Prevention	\$23,832	\$0	\$0	0.00	0.00	0.00

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

7	<a href="#">5444</a>	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Nutrition Services Incentive Plan	\$466,497	\$0	\$0	0.00	0.00	0.00
8	<a href="#">5450</a>	Department of Health and Social Services, Social Services	Supplemental Nutritional Program Nutritional Education	\$1,177,061	\$0	\$0	0.00	0.00	0.00
9	<a href="#">5507</a>	Department of Health and Social Services, State Service Centers	Low-Income Home Energy Assistance Program (LIHEAP)	\$15,000,000	\$0	\$0	3.02	0.00	0.00
10	<a href="#">5532</a>	Department of Health and Social Services, State Service Centers	AmeriCorps State Formula Funds	\$1,680,554	\$0	\$1,536,776	0.00	0.00	0.00
11	<a href="#">5535</a>	Department of Health and Social Services, Social Services	Social Services Block Grant	\$4,761,264	\$0	\$0	14.05	0.00	0.00
12	<a href="#">5537</a>	Department of Health and Social Services, State Service Centers	Community Services Block Grant	\$3,950,814	\$0	\$0	1.75	0.00	0.00
13	<a href="#">5557</a>	Department of Health and Social Services, State Service Centers	Access & Visitation Program	\$100,000	\$11,111	\$0	0.00	0.00	0.00
14	<a href="#">5566</a>	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment & Training Administration	\$318,694	\$0	\$0	0.00	0.00	0.00
15	<a href="#">5567</a>	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment & Training Operations	\$239,997	\$239,997	\$0	0.00	0.00	0.00
16	<a href="#">5568</a>	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment & Training Participation Reimbursement	\$46,647	\$46,647	\$0	0.00	0.00	0.00
17	<a href="#">5569</a>	Department of Health and Social Services, Social Services	Supplemental Nutritional Assistance Program Electronic Benefits Administration - ARP COVID-19	\$2,661,952	\$0	\$0	0.00	0.00	0.00
18	<a href="#">5572</a>	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - ARP COVID-19	\$995,821	\$0	\$0	0.00	0.00	0.00
19	<a href="#">5473</a>	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Adoption Incentive Payment Program	\$267,500	\$0	\$0	0.00	0.00	0.00
20	<a href="#">5487</a>	Department of Services for Children, Youth and Their Families, Prevention and Behavioral Health Services, Prevention/Early Intervention	Delaware Child Psychiatry Access Program	\$445,000	\$89,258	\$0	0.00	0.28	0.00
21	<a href="#">5525</a>	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B Kinship Navigator Program	\$200,000	\$44,141	\$0	0.00	0.00	0.00
22	<a href="#">5090 Amendment</a>	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-E Adoption Assistance	\$2,000,000	\$2,000,000	\$0	0.00	0.00	0.00
23	<a href="#">5091 Amendment</a>	Department of Services for Children, Youth and Their Families, Management Support Services, Office of the Secretary	Title IV-E Foster Care	\$3,000,000	\$3,000,000	\$0	0.00	0.00	0.00
24	<a href="#">5228</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal and Energy	Coastal Zone Management Projects of Special Merit	\$202,965	\$0	\$0	0.24	0.00	0.00
25	<a href="#">5463</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Clean Water State Revolving Fund	\$5,681,000	\$1,136,200	\$0	0.00	0.00	0.00
26	<a href="#">5522</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	T2-11-T-5 Marine Mammal and Sea Turtle Stranding	\$36,095	\$19,436	\$0	0.00	0.02	0.00
27	<a href="#">5524</a>	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water Base State Revolving Fund	\$7,008,000	\$1,401,600	\$141,186	12.35	0.00	1.75
28	<a href="#">5530</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Cooperating Technical Partnership Grant	\$440,000	\$0	\$0	0.60	0.00	0.00
29	<a href="#">5534</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	National Dam Safety Program	\$78,428	\$0	\$0	0.00	0.00	0.00
30	<a href="#">4337 Amendment</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-84-R-3 Structure Oriented Fish Assessment Program	\$177,150	\$59,050	\$0	0.03	0.26	0.00
31	<a href="#">5153 Amendment</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-75-F-17 Tidal Freshwater Fisheries Management Program	\$259,679	\$86,561	\$0	0.53	0.06	0.00
32	<a href="#">4574 Amendment</a>	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Public Assistance DR-4526 COVID-19	\$103,525,353	\$0	\$0	0.00	0.00	0.00

33	<a href="#">5497</a>	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(f) Motorcycle Safety Grant	\$44,700	\$0	\$0	0.00	0.00	0.00
34	<a href="#">5499</a>	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(h) Non-Motorized Incentive Grant	\$212,555	\$0	\$0	0.00	0.00	0.00
35	<a href="#">5500</a>	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(b) Occupant Protection Incentive Grant	\$361,278	\$0	\$0	0.00	0.00	0.00
36	<a href="#">5503</a>	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Instant Criminal Background Check System Act Record Improvement Program	\$106,703	\$0	\$0	0.00	0.00	0.00
37	<a href="#">5504</a>	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Criminal History Improvement Program	\$701,310	\$77,923	\$0	0.00	0.00	0.00
38	<a href="#">5556</a>	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Emergency Management Performance Grant	\$3,755,425	\$1,244,461	\$2,510,964	19.60	9.15	10.75
39	<a href="#">5561</a>	Department of Safety and Homeland Security, Office of the Secretary, Developmental Disabilities Council	Developmental Disabilities Council	\$534,656	\$20,000	\$80,000	4.00	0.00	0.00
40	<a href="#">4471 Amendment</a>	Department of Labor, Unemployment Insurance	Pandemic Unemployment Insurance CARES Act - COVID-19	\$94,300	\$0	\$0	0.00	0.00	0.00
41	<a href="#">5455</a>	Department of Labor, Employment and Training, Employment and Training Services	Workforce Innovation and Opportunity Act - Youth	\$2,350,947	\$0	\$0	4.05	0.00	0.00
42	<a href="#">5457</a>	Department of Labor, Employment and Training, Employment and Training Services	Workforce Innovation and Opportunity Act - Adult	\$2,254,630	\$0	\$0	10.71	0.00	0.00
43	<a href="#">5459</a>	Department of Labor, Employment and Training, Employment and Training Services	Workforce Innovation and Opportunity Act - Dislocated Worker	\$2,792,814	\$0	\$0	12.34	0.00	0.00
44	<a href="#">5539</a>	Department of Labor, Industrial Affairs, Occupational Safety and Health Administration/Bureau of Labor Statistics	Occupational Safety and Health Statistics	\$83,200	\$83,200	\$0	1.00	1.00	0.00
45	<a href="#">5540</a>	Department of Labor, Industrial Affairs, Occupational Safety and Health Administration/Bureau of Labor Statistics	Occupational Safety and Health Consultation	\$599,982	\$66,685	\$0	5.50	0.50	0.00
46	<a href="#">5541</a>	Department of Labor, Industrial Affairs, Anti-Discrimination	Equal Employment Opportunity Commission	\$291,750	\$0	\$0	3.00	0.00	0.00
47	<a href="#">5564</a>	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Vocational Rehabilitation Services	\$12,076,795	\$3,314,906	\$0	71.50	0.00	0.00
48	<a href="#">5605</a>	Department of Labor, Unemployment Insurance	Reemployment and Eligibility Assessment	\$742,056	\$0	\$0	9.11	0.00	0.00
49	<a href="#">5296 Amendment</a>	Department of Agriculture, Animal Health	Avian HPAI H5 Emergency Disease Response Activities	\$6,591,012	\$0	\$0	0.00	0.00	0.00
50	<a href="#">5481</a>	Delaware National Guard	Air National Guard Operations and Maintenance Agreement	\$5,392,551	\$596,571	\$0	44.00	4.00	0.00
51	<a href="#">5482</a>	Delaware National Guard	Army National Guard Environmental Resource Management Agreement	\$628,881	\$0	\$0	4.00	0.00	0.00
52	<a href="#">5483</a>	Delaware National Guard	Air National Guard Security Guard Agreement	\$1,924,175	\$0	\$0	21.00	0.00	0.00
53	<a href="#">5484</a>	Delaware National Guard	Army Guard Operations and Maintenance Agreement	\$16,800,158	\$4,662,957	\$0	20.00	11.00	0.00
54	<a href="#">5508</a>	Department of Education, Student Support	Child Nutrition State Administrative Expense	\$1,209,696	\$290,608	\$0	3.95	2.50	0.00
55	<a href="#">5509</a>	Department of Education, Student Support	National School Breakfast Program	\$17,000,000	\$0	\$0	0.00	0.00	0.00
56	<a href="#">5510</a>	Department of Education, Student Support	National School Lunch Program	\$45,000,000	\$487,127	\$0	0.00	0.00	0.00
57	<a href="#">5511</a>	Department of Education, Student Support	Special Milk Program	\$4,000	\$0	\$0	0.00	0.00	0.00
58	<a href="#">5512</a>	Department of Education, Student Support	Child and Adult Care Food Program	\$18,975,500	\$0	\$0	2.00	0.00	0.00

59	<a href="#">5513</a>	Department of Education, Student Support	Child and Adult Care Food Program Cash In Lieu	\$937,106	\$0	\$0	0.00	0.00	0.00
60	<a href="#">5514</a>	Department of Education, Student Support	Child and Adult Care Food Program Sponsor Admin	\$500,000	\$0	\$0	0.00	0.00	0.00
61	<a href="#">5515</a>	Department of Education, Student Support	Summer Food Service Program	\$2,809,500	\$0	\$0	0.55	0.00	0.00
62	<a href="#">5516</a>	Department of Education, Student Support	Fresh Fruit and Vegetables	\$2,727,556	\$0	\$0	0.00	0.00	0.00
63	<a href="#">5517</a>	Department of Education, Student Support	Equipment Assistance Grant	\$73,813	\$0	\$0	0.00	0.00	0.00
64	<a href="#">5257 Amendment</a>	Department of Education, Student Support	Supply Chain Assistance	\$2,710,136	\$0	\$0	0.00	0.00	0.00
65	<a href="#">5400</a>	Department of Health and Social Services, Substance Abuse and Mental Health Administration	Medicaid Administration - Title XIX Restated	\$42,239,430	\$22,739,066	\$0	189.18	166.88	0.00

**Higher Education**

1	5518	Delaware Technical Community College	Classic Upward Bound - Owens Campus	\$1,799,140	\$0	\$0			
2	5523	Delaware Technical Community College	Classic Upward Bound - George Campus	\$1,488,005	\$0	\$0			
3	2022-09-03-02	Delaware State University	Developing Value-Added, Legume-Based Protein Food Ingredients with Desired Nutritional and Techno-Functional Properties	\$499,834	\$0	\$0			
4	2022-09-03-03	Delaware State University	Evaluate the Effect of Herbal Plant Extracts on Gut Microbiota and Anti-Proliferative Activity in Colorectal Cancer Cells	\$4,990,973	\$0	\$0			
5	2022-09-03-04	Delaware State University	Transgenic Accumulation and In Situ Activation of Lignolytic Peroxidases for Sustainable Production of Biofuels	\$500,000	\$0	\$0			
6	2022-09-03-05	Delaware State University	Assessing Profiles of Carbon, Methane, Nitrous Oxide, and Isotopic Signatures in Soils in the Delmarva Region	\$299,765	\$0	\$0			
7	2022-09-03-06	Delaware State University	Genetic Mapping and Improvement of Blueberries for High-Temperature Stress Tolerance	\$299,998	\$0	\$0			
8	2022-09-03-07	Delaware State University	Integration of Sustainability in Textile Product Development and Consumption of Sustainable Textile Products.	\$149,795	\$0	\$0			
9	2022-09-03-08	Delaware State University	Food Safety, Stress, and Sleep Training in Diverse Communities in the State of Delaware	\$382,163	\$0	\$0			
10	2022-09-03-09	Delaware State University	Collaborative Proposal for Student Experiential Learning by Internships and Faculty Development Skills in Animal and Environmental Sciences	\$59,184	\$0	\$0			
11	2022-09-03-10	Delaware State University	Title: Extend the Shelf Life of Strawberries by Focusing on Fruit Surfaces Exposed to Essential Oils	\$59,994	\$0	\$0			
12	2022-09-03-11	Delaware State University	Providing Experiential Learning Opportunities and Extension Training in Aquaculture and Fisheries to Underserved and Underrepresented Student Communities from 1890 Land Grant Institutions	\$153,552	\$0	\$0			
13	2022-09-03-12	Delaware State University	An Aquaponics Food Safety, Nutrition, and Sustainability Decision-Making Framework	\$77,185	\$0	\$0			
14	2022-09-03-13	Delaware State University	A Multiple-Stage Cost Effective Smart-Farming of Engineered Microalgae for Simultaneous Production of High Value Molecules and Bioenergy	\$299,762	\$0	\$0			
15	2022-09-03-14	Delaware State University	Increasing the Income Opportunities of Limited Resource Farms Through Developing and Marketing of Value Added Products	\$238,774	\$0	\$0			
16	2022-09-03-15	Delaware State University	Utilizing UAV Technology and Machine Learning to Assess Sea Level Rise Impacts on Delaware's Tidal Marsh System	\$100,000	\$0	\$0			
17	2022-09-03-16	Delaware State University	Identifying Underlying Effects in Transcriptomic, Epigenomic, and Metagenomic Changes Induced by Abiotic Stress in Common Bean ( <i>Phaseolus Vulgaris</i> ) on	\$299,184	\$0	\$0			
18	2022-09-03-17	Delaware State University	Delaware Center for Neuroscience Research	\$5,703,904	\$0	\$0			
19	2022-09-03-18	Delaware State University	Multidisciplinary Approach to Train Under-Represented Food and Agricultural Sciences Students in Data Science Application	\$249,960	\$0	\$0			
20	2022-09-03-19	Delaware State University	Delaware State University Noyce Scholarship Program: Recruiting, Preparing, and Retaining Culturally Responsive Teachers Through Community Building	\$1,199,659	\$0	\$0			
21	2022-09-03-20	Delaware State University	Scientists Motivation, Engagement, and Diversity in Technology Transfer Processes: A Mixed-Methods Approach Using Neuroscience Technology	\$81,345	\$0	\$0			
22	2022-09-03-21	Delaware State University	Machine Learning for Analysis of Heterogeneous Multimodal Spectral Data	\$799,415	\$0	\$0			
23	2022-09-03-22	Delaware State University	High-Speed Hyperspectral Imaging for Highly Multiplexed Immunofluorescence Imaging	\$30,000	\$0	\$0			
24	2022-09-03-23	Delaware State University	DEC-CTR ACCEL Institutional Development Award (IDeA) Networks for Clinical and Translational Research (IDeA-CTR)	\$1,965,397	\$0	\$0			
25	2022-09-03-24	Delaware State University	Stimulated Raman Method for Efficient Generation of Enhancer-Free Singlet Oxygen	\$749,798	\$0	\$0			

26	2022-09-03-25	Delaware State University	Optimizing Sustainable Integrated Pest Management Practices for High Tunnel Crops	\$135,960	\$0	\$0
27	2022-09-03-26	Delaware State University	EPSCoR Federal - NSF: Delaware Sustainability Science & Policy Hub for a Circular Economy	\$5,699,230	\$0	\$0
28	2022-09-03-27	Delaware State University	Center for Neuromorphic Photonic Computing (NPC)	\$1,997,178	\$0	\$0
29	2022-09-03-28	Delaware State University	CAREER: Microporous Organic Polymer Based Membranes: Atom Transfer Radical Polymerization (ATRP) Synthesis from Dual-Role Synthons and Application for Direct Carbon Dioxide Capture from Air	\$236,703	\$0	\$0
30	2022-09-10-01	University of Delaware	STC CACTES (Center for Accelerating Convergent Transitions in Energy & Society)	\$0	\$0	\$816,641
31	2022-09-10-02	University of Delaware	Evaluation of a Jugular Compression Device for Concussion Prevention Using Magnetic Resonance Imaging	\$0	\$0	\$82,153
32	2022-09-10-03	University of Delaware	Partnership: Transcriptomic and Epigenetic Responses to Heat Stress in Chicken Primordial Germ Cells	\$558,083	\$0	\$0
33	2022-09-10-04	University of Delaware	Exploring Cognitive and Foundational Processes Underlying Pre-Algebra Among Students With and Without Mathematics Learning Difficulties	\$267,245	\$0	\$0
34	2022-09-10-05	University of Delaware	Empowering the Next Generation of Cancer Professionals: The Fox Chase Cancer Center-University of Delaware Partnership for Undergraduate Research and Career Development	\$0	\$0	\$27,960
35	2022-09-10-06	University of Delaware	Center for Chemical Electrodecarbonization (C-FORCE)	\$0	\$0	\$2,418,775
36	2022-09-10-07	University of Delaware	Certificate in Data Science & Analytics for JPMC Employees	\$0	\$0	\$193,985
37	2022-09-10-08	University of Delaware	Enhancement of Working Memory Using Endogenous Hippocampal-Prefrontal Theta Synchrony	\$1,250,000	\$0	\$0
38	2022-09-10-09	University of Delaware	Harnessing Adipose Adaptations to Prevent Endothelial Dysfunction in Obesity	\$1,499,825	\$0	\$0
39	2022-09-10-10	University of Delaware	Identifying Intestinal Alterations in Amino Acids Transport Efficiency and Enteric Neuroendocrine Contribution in Early Weaned Pigs	\$210,011	\$0	\$0
40	2022-09-10-11	University of Delaware	School Resource Officers and Police Officers in Pennsylvania Schools and Districts	\$0	\$0	\$12,000
41	2022-09-10-12	University of Delaware	Collaborative Research: SaTC: CORE: Small: Secure and Privacy-Preserving Crowdsensing	\$195,771	\$0	\$0
42	2022-09-10-13	University of Delaware	The Blue Edge of the Helium White Dwarf Instability Strip	\$0	\$0	\$126,134
43	2022-09-10-14	University of Delaware	The Origins and Evolution of Helium Atmosphere White Dwarfs	\$0	\$0	\$65,131
44	2022-09-10-15	University of Delaware	A Dynamic Approach to Predict Thermal Inactivation of Salmonella on Alfalfa and Mung Bean Seeds Using Temperature Vs. Time Data	\$260,252	\$0	\$0
45	2022-09-10-16	University of Delaware	The Role of Exosomes in Marek's Disease Virus Pathogenesis and Immunity	\$453,779	\$0	\$0
46	2022-09-10-17	University of Delaware	Determination of Timber Genus and Provenance by Machine Learning of Spectroscopic Signatures	\$205,019	\$0	\$0
47	2022-09-10-18	University of Delaware	NSF I-Corps Hub: Northeast Region	\$0	\$0	\$343,750
48	2022-09-10-19	University of Delaware	Collaborative Research: The Role of Wind and Waves in Mixing the Upper Ocean	\$308,756	\$0	\$0
49	2022-09-10-20	University of Delaware	Imaging Receiver System Integration	\$0	\$0	\$78,124
50	2022-09-10-21	University of Delaware	Central Networks, Peripheral Factors, and Individual Vulnerability to Postpartum Mood Disorder	\$1,875,339	\$0	\$0
51	2022-09-10-22	University of Delaware	Low-Cost Composite Parts - Tailorable Feedstock and Forming	\$3,583,049	\$0	\$0
52	2022-09-10-23	University of Delaware	IR-4 Northeast Region Minor Crop Pest Management 22-001 Foliar Feeding Beetle Efficacy - Flea Beetle	\$0	\$0	\$12,500
53	2022-09-10-24	University of Delaware	Augmented Reality for Climate-Informed Food Resilience of DOD Installation and Surrounding Community Infrastructure	\$0	\$0	\$16,875
54	2022-09-10-25	University of Delaware	RII Track-1: The Delaware Sustainability Science & Policy Hub for a Circular Economy	\$16,119,930	\$0	\$0
55	2022-09-10-26	University of Delaware	Collaborative Proposal: Influence of Wind and Bottom Generated Turbulence on Air-Sea Gas Exchange in Shallow Water Environments	\$45,304	\$0	\$0
56	2022-09-10-27	University of Delaware	NSF ITEST: Enhancing STEM Identity Through E-Mentoring Experiences	\$0	\$0	\$16,549
57	2022-09-10-28	University of Delaware	National UTC: Rural Infrastructure Durability, Efficiency, and Adaptability (Rural-IDEA)	\$0	\$0	\$192,409
58	2022-09-10-29	University of Delaware	Improving the Durability and Extending the Life of Transportation Infrastructure	\$0	\$0	\$127,944
59	2022-09-10-30	University of Delaware	Coastal Ocean Processes of North-East Greenland	\$418,326	\$0	\$0
60	2022-09-10-31	University of Delaware	Sustainable Mobility & Accessibility Regional Transportation Equity Research (SMARTER) Center	\$0	\$0	\$117,903
61	2022-09-10-32	University of Delaware	Refining Side Scan Sonar as a Tool to Support Management of Asian Carp	\$44,630	\$0	\$0
62	2022-09-10-33	University of Delaware	Effects of Tart Cherry Consumption on Cardiovascular and Sleep Health in Postmenopausal Women	\$0	\$0	\$100,000
63	2022-09-10-34	University of Delaware	Early Academic Achievement and Intervention Response: Role of Executive Function	\$0	\$0	\$1,797
64	2022-09-10-35	University of Delaware	Disaster Resilient Acute Care: Protecting Infrastructure from Changing Flooding Risk	\$263,529	\$0	\$0

65	2022-09-10-36	University of Delaware	Fish-Finders for Stewardship: Training Volunteers to Use Side-Scan Sonar to Find and Remove Derelict Crab Pots from Delaware's Recreational Blue Crab Fishery	\$130,058	\$0	\$0
66	2022-09-10-37	University of Delaware	Assist in Engaging Extension Systems Throughout the Northeast in Participation in and Contribution to the Efforts of the Cultivemos/FRSAN-NE	\$0	\$0	\$29,931
67	2022-09-10-38	University of Delaware	Regional UTC for CyberSecure and Resilient Transportation Systems (CARTS)	\$0	\$0	\$1,276,981
68	2022-09-10-39	University of Delaware	Conduit - A Midwestern Black Visual Arts Preservation Initiative	\$0	\$0	\$5,000
69	2022-09-10-40	University of Delaware	NOAA NWS National Mesonet Program 2021	\$0	\$0	\$96,215
70	2022-09-10-41	University of Delaware	Pre- and Post-Removal Monitoring of Resident and Diadromous Fishes in White Clay Creek, DE to Support the Short-Term Evaluation of Fish Passage Implementation	\$0	\$0	\$160,791
71	2022-09-10-42	University of Delaware	National UTC: Rural Infrastructure Durability, Efficiency, and Adaptability (Rural-IDEA)	\$0	\$0	\$170,243
72	2022-09-10-43	University of Delaware	The Role of Turbulent Coherent Structures on the Evolving Seabed	\$248,984	\$0	\$0
73	2022-09-10-44	University of Delaware	Understanding the Sorting, Transport and Fate of RNA Cargo in Extracellular Vesicles at Single Molecule Resolution	\$930,010	\$0	\$0
74	2022-09-10-45	University of Delaware	R5ISAFE University Transportation Center Tier 1 UTC	\$0	\$0	\$165,132
75	2022-09-10-46	University of Delaware	TRIPARTITE: Dual-Function Engineered Biochar for Excess Soil Phosphorus Sorption with Subsequent Slow Release for Cost-Effective and Sustainable Crop Production	\$0	\$0	\$228,330
76	2022-09-10-47	University of Delaware	Ronald E. McNair Post-Baccalaureate Achievement	\$247,676	\$0	\$0
77	2022-09-10-48	University of Delaware	Advancing Healthy Lifestyles FY23	\$0	\$0	\$13,393
78	2022-09-10-49	University of Delaware	Engineering Autotrophic Wax Ester Production in Anaerobic Phototrophs	\$918,325	\$0	\$0
79	2022-09-10-50	University of Delaware	Identifying Adaptation Strategies to Increase Equitable Resilience in Coastal Communities to Compound Inundation	\$271,766	\$0	\$0
80	2022-09-10-51	University of Delaware	MEPI-Student Leaders Program	\$0	\$0	\$181,170
81	2022-09-10-52	University of Delaware	Collaborative Research: AGEF FC-PAM: Alliance for Relevant and Inclusive Sponsorship of Engineering Researchers (ARISE)	\$0	\$0	\$127,103
82	2022-09-10-53	University of Delaware	Planning and Implementing Actionable Marine Plastics Prevention Strategies with Local Communities in Delaware	\$101,733	\$0	\$0
83	2022-09-10-54	University of Delaware	Hillsborough County Public Schools Professional Development	\$0	\$0	\$19,403
84	2022-09-10-55	University of Delaware	Collaborative Research: Elucidating the Mechanisms of Phosphate Oxygen Isotope Signatures Imprinted During Biomass Burning for Better Understanding the Post-Fire Phosphorus Cycling	\$0	\$0	\$211,985
85	2022-09-10-56	University of Delaware	Novel Platform to Evaluate in Vitro and in Vivo Toxicity of Engineered Food Nanoparticles	\$536,236	\$0	\$0
86	2022-09-10-57	University of Delaware	Partnership: Field Management and Post-Harvest Methods to Mitigate Toxic Inorganic and Organic Arsenic Species in Rice Grain	\$649,660	\$0	\$0
87	2022-09-10-58	University of Delaware	Isolating the Effects of Fibrillation on the Transfer, Friction, and Adhesion of Polytetrafluoroethylene	\$0	\$0	\$215,449
88	2022-09-10-59	University of Delaware	Mechanisms and Consequences of Reverse Transcription in HIV-1 Cores	\$0	\$0	\$2,808
89	2022-09-10-60	University of Delaware	Poly-HEATLINE: Polymer HEAT Transfer by Learned Intermolecular Enhancement	\$0	\$0	\$600,773
90	2022-09-10-61	University of Delaware	WTG: Diffusion of Research on Supporting Mathematics Achievement for Youth with Disabilities Through Twitter Translational Visual Abstracts	\$0	\$0	\$53,265
91	2022-09-10-62	University of Delaware	Lattice-Matched InGaBiAs on InP for Extended Wavelength SWIR Detection	\$4,500	\$0	\$0
92	2022-09-10-63	University of Delaware	Tier 1 University Transportation Center on Improving Rail Transportation Infrastructure Sustainability and Durability	\$8,605,496	\$0	\$0
93	2022-09-10-64	University of Delaware	Small Business Administration Cooperative Agreement CY23	\$705,462	\$445,276	\$0
94	2022-09-10-65	University of Delaware	Evaluation of the Delaware Plan to Reduce Unintended Pregnancy	\$0	\$0	\$204,865
95	2022-09-10-66	University of Delaware	Characterization of Brain Mechanical Properties in Children with Autism, Using Magnetic Resonance Elastography, for Early Prediction of Clinically Relevant Functional Deficits	\$1,249,995	\$0	\$0
96	2022-09-10-67	University of Delaware	Breakthrough Listen Activities: Third Triennium	\$0	\$0	\$51,940
97	2022-09-10-68	University of Delaware	Alltech Silage Inoculant Test	\$0	\$0	\$16,983
98	2022-09-10-69	University of Delaware	Evaluating the Effectiveness and Implementation of Prison-Based HIV Assisted Partner Notification in Indonesia	\$0	\$0	\$205,528
99	2022-09-10-70	University of Delaware	SHARK - Aquatic Soft Robotic STEM Education Kit	\$0	\$0	\$43,652
100	2022-09-10-71	University of Delaware	Multispectral Image Analysis for Hidden Target Detection	\$0	\$0	\$93,751
101	2022-09-10-72	University of Delaware	Microrobots for Monitoring and Treating Sickle-Cell Induced Ischemia	\$0	\$0	\$99,937
102	2022-09-10-73	University of Delaware	Summer Learning Analytics Training for Education Researchers (SLATER)	\$0	\$0	\$30,166
103	2022-09-10-74	University of Delaware	Development of Next Generation Matrix Assisted Chondrocyte Implantation Using Human Chondrocyte Derived-Extracellular Matrix	\$0	\$0	\$106,809
104	2022-09-10-75	University of Delaware	Bookworms Coaching & Professional Learning Support At NLELA, LES & LMS	\$0	\$0	\$3,089
105	2022-09-10-76	University of Delaware	Super High-Energy Density Li-S Battery System for AUV Applications	\$0	\$0	\$28,125

106	2022-09-10-77	University of Delaware	Design and Development of a Low-Cost Flexible Edge Architecture for Contactless Monitoring and Remote Care Software	\$0	\$0	\$76,038
107	2022-09-10-78	University of Delaware	Smart Science Center for Frontiers in Mobility	\$0	\$0	\$164,241
108	2022-09-10-79	University of Delaware	Preparing Elementary Mathematics Teachers for Culturally Responsive Teaching: Connections to Student and Teacher Outcomes	\$692,781	\$0	\$0
109	2022-09-10-80	University of Delaware	Project Persist: Accommodations that Increase Self-Regulated Learning Catalyze the Postsecondary Persistence of Students with Learning Disabilities	\$1,124,332	\$0	\$0
110	2022-09-10-81	University of Delaware	Mechanisms of Sexually Dimorphic Microglia Response to Neonatal Hypoxic Ischemia	\$0	\$0	\$127,934
111	2022-09-10-82	University of Delaware	Farm Tax Education and Asset Protection	\$0	\$0	\$216,676
112	2022-09-10-83	University of Delaware	Comprehensive District Improvement Initiative for the Kennett Consolidated School District	\$0	\$0	\$55,859
113	2022-09-10-84	University of Delaware	Systems-Level Characterization of Pythium Pathogenesis, an Emerging Threat to Maize Production.	\$524,932	\$0	\$0
114	2022-09-10-85	University of Delaware	Partnership: Calcium Phosphate Nanocomposite as a Precise, Intelligent Fertilizer to Increase Nutrient Use Efficiency and Crop Yield	\$702,494	\$0	\$0
115	2022-09-10-86	University of Delaware	Acquisition of Goods and Services	\$4,091	\$0	\$0
116	2022-09-10-87	University of Delaware	Collaborative Research: Expanding the Diversity of Iron Oxidation Mechanisms Via Genetics, Microscopy and 'Omics in Leptothrix	\$435,265	\$0	\$0
117	2022-09-10-88	University of Delaware	Open Access Spoken Language Data for Understanding Dementia	\$0	\$0	\$129,880
118	2022-09-10-89	University of Delaware	4D Rheo-SANS Sample Environment for Soft Matter, Biology and Materials Processing	\$0	\$0	\$7,812
119	2022-09-10-90	University of Delaware	UTC National Center of Education and Research for Transportation Cyber Security (CERTCS)	\$0	\$0	\$194,109
120	2022-09-10-91	University of Delaware	The Role of Potassium Supplementation on Endothelial Function and Blood Pressure Reactivity on a High Sodium Diet	\$0	\$0	\$143,177
121	2022-09-10-92	University of Delaware	Directed Assembly of Mesoscale Architectures in Additive Manufacturing	\$0	\$0	\$736,360
122	2022-09-10-93	University of Delaware	Mode of Action and Target Site Toxicity Model Evaluation for PFAS and Hydraulic Fracking Compounds Journal Manuscript	\$0	\$0	\$11,250
123	2022-09-10-94	University of Delaware	CPS: Small: Addressing Mixed Traffic Through Platooning of Vehicles	\$328,867	\$0	\$0
124	2022-09-10-95	University of Delaware	A Virtual Secondary Transition Psychoeducation Program for Transition Goal Setting for Autistic High School Students and Their Caregivers - A Development and Feasibility Study	\$0	\$0	\$265,707
125	2022-09-10-96	University of Delaware	Breakthrough Listen Activities: Third Triennium	\$0	\$0	\$51,940
126	2022-09-10-97	University of Delaware	Anthropogenic Soil Memories: Human Legacies Shape Physical, Chemical and Microbial Composition of Riparian Soils	\$599,605	\$0	\$0
127	2022-09-10-98	University of Delaware	Research Support Agreement, Student Support FY23	\$19,591	\$0	\$0
128	2022-09-10-99	University of Delaware	Annual Research Support Agreement, FY23	\$11,795	\$0	\$0
129	2022-09-11-01	University of Delaware	The Effect of Vitamin D on Nocturnal Blood Pressure and Sleep in Black Women	\$0	\$0	\$65,106
130	2022-09-11-02	University of Delaware	Biomass Derived Upcycled Bio-Poly-Alpha-Olefin Lubricants	\$0	\$0	\$52,500
131	2022-09-11-03	University of Delaware	Fabrication of NdFeB-Based Permanent Magnets	\$0	\$0	\$36,128
132	2022-09-11-04	University of Delaware	Collaborative Research: CNS Core: Small: AI/ML-Powered Trustworthy Dynamic Spectrum Sharing	\$133,273	\$0	\$0
133	2022-09-11-05	University of Delaware	Modeling Salivary Gland Fibrosis Using a Bioorthogonally Integrated Hydrogel Platform	\$370,589	\$0	\$0
134	2022-09-11-06	University of Delaware	Cooperative Agreement with DOE/NNSA	\$0	\$0	\$377,366
135	2022-09-11-07	University of Delaware	Boosting Efficacy of Oral Vaccine Candidates by Enabling Spore Display of Nitrated Antigens	\$1,500,000	\$0	\$0
136	2022-09-11-08	University of Delaware	Network for in Vivo Education Research (NIER)	\$0	\$0	\$130,040
137	2022-09-11-09	University of Delaware	Forests Among Managed Ecosystems: Monitoring, Remediation, and Restoration	\$30,000	\$0	\$0
138	2022-09-11-10	University of Delaware	PARTNERSHIP: Post-Harvest Processed Parsnip: A Value-Added Functional Food for Lung Health	\$0	\$0	\$105,300
139	2022-09-11-11	University of Delaware	Design and Prototype of Conformal Antenna Beam Forming System	\$0	\$0	\$50,390
140	2022-09-11-12	University of Delaware	Advancing the Application of Nature-Based Living Shorelines in Delaware Through Policy, Workforce Development, and Restoration	\$110,962	\$0	\$0
141	2022-09-11-13	University of Delaware	Redefining the Blame Game: Antimicrobial Resistance Sources and Risks from a One Health Perspective	\$752,950	\$0	\$0
142	2022-09-11-14	University of Delaware	The Role of Angiotensin-(1-7) in Regulating Vascular Endothelial Function in Postmenopausal Women	\$0	\$0	\$65,106
143	2022-09-11-15	University of Delaware	HQIM Math Coaching & Professional Learning	\$0	\$0	\$122,645
144	2022-09-11-16	University of Delaware	4-H ALA Mini Grant FY23	\$0	\$0	\$25,000
145	2022-09-11-17	University of Delaware	HHS DATI 22-23 Supplemental Mineo	\$10,351	\$0	\$0
146	2022-09-11-18	University of Delaware	Mechanisms Via Which Traumatic Stress Leads to Opioid Abuse	\$1,421,123	\$0	\$0
147	2022-09-11-19	University of Delaware	Supplement to Nemours Ferrato	\$0	\$0	\$24,317
148	2022-09-11-20	University of Delaware	Collaborative Research: NSF-BSF: Analyzing the Hydraulic Functioning of Connected Onshore-Offshore Freshened Groundwater Reserves	\$314,045	\$0	\$0
149	2022-09-11-21	University of Delaware	Project TWIST: Targeted Writing Intervention for Sentence Writing and Transcription	\$1,496,072	\$0	\$0

150	2022-09-11-22	University of Delaware	Research Support Agreement, Amendment 1, 58-8010-2-005	\$13,636	\$0	\$0
151	2022-09-11-23	University of Delaware	Magnonic Reservoir Computing with Reconfigurable Nanostructures	\$0	\$0	\$75,001
152	2022-09-11-24	University of Delaware	To Provide Programming to Children and Families in Six Schools Specifically in the Areas of Health and Wellness.	\$0	\$0	\$20,828
153	2022-09-11-25	University of Delaware	FCC NDBEDP National Deaf-Blind Equipment Distribution Program	\$61,163	\$0	\$0
154	2022-09-11-26	University of Delaware	PEKK Crystallization Study	\$10,838	\$0	\$0

9/12/2022



**Delaware State Clearinghouse Committee**  
**October Agenda Revised**  
Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901  
October 18, 2022 @ 10:00am

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
<b>New Business*</b>									
1	<a href="#">5621</a>	Department of Technology and Information, Administration	Broadband Equity Access and Deployment (BEAD) Planning Fund - IJIA	\$4,995,113	\$0	\$0	3.20	0.00	0.00
2	<a href="#">5322</a>	Department of State, Delaware Public Archives	Archives Preservation	\$11,779	\$0	\$0	0.02	0.00	0.00
3	<a href="#">5598</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Brownfields Revitalization - IJIA & Switch Fund	\$457,867	\$0	\$0	0.50	0.00	0.00
4	<a href="#">5125 Amendment</a>	Department of Safety and Homeland Security, State Police, Traffic	Motor Carrier Safety Assistance Program Amendment & Switch Fund	\$583,171	-\$115,427	\$0	7.35	0.25	0.00
5	<a href="#">5448</a>	Department of Safety and Homeland Security, State Bureau of Identification	Support for Adam Walsh Act Implementation	\$225,000	\$0	\$0	0.00	0.00	0.00
6	<a href="#">5600</a>	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Hazard Mitigation DR- 4627 Hurricane Ida	\$870,310	\$38,854	\$57,847	0.50	0.00	0.00
7	<a href="#">5578</a>	Department of Labor, Vocational Rehabilitation, Disability Determination Services	Disability Determination Service-SSA Continuation & Switch Fund	\$6,426,502	\$0	\$0	53.00	0.00	0.00
8	<a href="#">5596</a>	Department of Labor, Unemployment Insurance	Equity Grant	\$2,283,000	\$0	\$0	2.35	0.00	0.00
9	<a href="#">2022-08-18-01</a>	Department of Education, Operations Support	Clean School Bus Rebate Program - IJIA	\$4,022,000	\$0	\$0	0.00	0.00	0.00
10	<a href="#">5591</a>	Red Clay Consolidated School District	School Violence Prevention Program	\$518,700	\$166,250	\$0	0.00	0.00	0.00
<b>Continued</b>									
1	<a href="#">5615</a>	Executive, Office of Management and Budget, Food Distribution	Commodity Supplemental Food Program	\$150,590	\$0	\$0	0.00	0.00	0.00
2	<a href="#">5611</a>	Legal, Department of Justice	Medicaid Fraud Control Unit	\$1,866,663	\$622,222	\$0	12.75	4.25	0.00
3	<a href="#">5283 Amendment</a>	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment and Training - Administration	\$111,689	\$0	\$0	0.00	0.00	0.00
4	<a href="#">5420</a>	Department of Health and Social Services, Visually Impaired Services	Vocational Rehabilitation- Blind (Basic Support)	\$2,034,668	\$524,437	\$0	16.00	2.72	0.00
5	<a href="#">5421</a>	Department of Health and Social Services, Visually Impaired Services	Supported Employment - A	\$21,000	\$0	\$0	0.00	0.00	0.00
6	<a href="#">5422</a>	Department of Health and Social Services, Visually Impaired Services	Supported Employment - B	\$21,000	\$2,333	\$0	0.00	0.00	0.00
7	<a href="#">5423</a>	Department of Health and Social Services, Visually Impaired Services	Independent Living Services for Older Individual Who Are Blind	\$225,000	\$269,002	\$0	1.75	3.00	0.00
8	<a href="#">5437</a>	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III B Supportive Services	\$1,997,424	\$1,915,268	\$0	12.25	12.75	0.00
9	<a href="#">5438</a>	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III C-1 Congregate Meals	\$2,523,094	\$1,222,818	\$0	4.25	7.50	0.00
10	<a href="#">5439</a>	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III C-2 Home Delivered Meals	\$1,425,708	\$2,231,817	\$0	0.00	0.00	0.00
11	<a href="#">5440</a>	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III Disease Prevention and Health Promotion	\$122,998	\$0	\$0	0.00	0.00	0.00

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12	<a href="#">5441</a>	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III E National Family Caregivers Support	\$1,056,577	\$271,393	\$0	3.00	0.00	0.00
13	<a href="#">5442</a>	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title VII Ombudsman Activity	\$98,431	\$0	\$0	0.00	0.00	0.00
14	<a href="#">5445</a>	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Senior Community Service Employment Program	\$1,708,065	\$0	\$193,621	0.75	0.00	0.00
15	<a href="#">5498</a>	Department of Health and Social Services, Public Health, Community Health	State Systems Development Initiative	\$500,000	\$0	\$0	0.00	0.00	0.00
16	<a href="#">5548</a>	Department of Health and Social Services, Public Health, Community Health	Maternal and Child Health Services	\$2,067,298	\$12,449,846	\$0	11.25	46.60	0.00
17	<a href="#">5562</a>	Department of Health and Social Services, Division of Health Care Quality	Centers for Medicare and Medicaid Services Survey and Certification - Medicare (FY23)	\$1,731,722	\$563,816	\$0	11.90	4.00	0.00
18	<a href="#">5563</a>	Department of Health and Social Services, Division of Health Care Quality	Centers for Medicare and Medicaid Services Survey and Certification	\$1,168,301	\$0	\$0	13.62	0.00	0.00
19	<a href="#">5580</a>	Department of Health and Social Services, Public Health, Community Health	National Diabetes Prevention Program	\$125,000	\$0	\$0	0.20	0.00	0.00
20	<a href="#">5588</a>	Department of Health and Social Services, Social Services	Temporary Assistance for Needy Families -Contingency	\$3,900,000	\$0	\$0	0.00	0.00	0.00
21	<a href="#">5599</a>	Department of Health and Social Services, Public Health, Community Health	Community Health Workers for COVID Response	\$6,000,000	\$0	\$0	1.00	0.00	0.00
22	<a href="#">5622</a>	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program State Exchange	\$8,125	\$0	\$0	0.00	0.00	0.00
23	<a href="#">5625</a>	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Access	\$3,750	\$0	\$0	0.00	0.00	0.00
24	<a href="#">4998 Amendment</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Riparian and Conservation Practice Partnership	\$150,000	\$37,560	\$0	0.00	0.13	0.00
25	<a href="#">5579</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-43-E-30 Delaware Aquatic Resources Education Program	\$1,293,300	\$431,100	\$0	1.35	0.00	0.00
26	<a href="#">5589</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	Air Pollution Control	\$3,570,598	\$2,680,287	\$0	10.20	5.55	0.00
27	<a href="#">5606</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Geospatial and Outreach Support for Shoreline & Waterway Management	\$15,535	\$732	\$0	0.00	0.01	0.00
28	<a href="#">5587</a>	Department of Safety and Homeland Security, State Police, Training	Bulletproof Vest Partnership Program	\$172,228	\$172,228	\$0	0.00	0.00	0.00
29	<a href="#">5385 Amendment</a>	Department of Labor, Employment and Training, Employment and Training Services	Work Opportunity Tax Credit	\$72,779	\$0	\$0	0.75	0.00	0.00
30	<a href="#">5575</a>	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Supported Employment	\$258,000	\$22,875	\$0	0.00	0.00	0.00
31	<a href="#">5584</a>	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Independent Living Services	\$338,717	\$37,635	\$0	1.00	0.00	0.00
32	<a href="#">5603</a>	Department of Labor, Unemployment Insurance	Unemployment Insurance Administration Grant	\$10,600,000	\$0	\$0	137.00	0.00	0.00
33	<a href="#">5604</a>	Department of Agriculture, Food Products Inspection	Cooperative Meat Inspection	\$325,135	\$242,697	\$0	3.45	3.05	0.00
34	<a href="#">5607</a>	Department of Agriculture, Food Products Inspection	Cross Utilization	\$316,604	\$0	\$0	1.75	0.00	0.00
35	<a href="#">5608</a>	Department of Agriculture, Forest Service	Chesapeake Bay Watershed Project	\$27,000	\$81	\$26,919	0.00	0.00	0.00
36	<a href="#">5609</a>	Department of Agriculture, Forest Service	Conservation Reserve Program	\$22,714	\$0	\$0	0.00	0.00	0.00
37	<a href="#">5612</a>	Department of Agriculture, Forest Service	State Fire Assistance	\$134,786	\$66,230	\$68,556	0.37	0.85	0.00

38	<a href="#">5403 Amendment</a>	Department of Education, Student Support	Prevention and Intervention Programs for Children	\$143,490	\$0	\$0	0.00	0.00	0.00
39	<a href="#">5139 Amendment</a>	Department of Health and Social Services, Division of Health Care Quality	Centers for Medicare and Medicaid Services Survey and Certification - Medicare (FY22)	\$813,000	\$0	\$0	0.00	0.00	0.00

**Higher Education**

1	5583	Delaware Technical Community College	CREATE Energy National Center	\$358,458	\$0	\$0			
2	5592	Delaware Technical Community College	Upward Bound Math & Science Year 1 of 5 George	\$2,129,165	\$0	\$0			
3	5520	Delaware Technical Community College	Owens Upward Bound Math & Science - 1st Allotment	\$1,529,110	\$0	\$0			
4	2018-05-05-07 Amendment	Delaware State University	Delaware INBRE IV/DSU (Federal)	\$1,121,411	\$0	\$0			
5	2022-10-08-01	Delaware State University	Acquisition of Goods and Services	\$25,300	\$0	\$0			
6	2022-10-08-02	Delaware State University	Optimizing Photon-Induced Abiotic Stress Conditions to Reduce Malted Barley Processing Time and Improve Nutritional Quality	\$149,991	\$0	\$0			
7	2022-10-08-03	Delaware State University	U.S. Embassy Panama Public Diplomacy Small Grants Program	\$49,165	\$0	\$0			
8	2022-10-08-04	Delaware State University	Mid-Atlantic Manufacturing Regional Innovation Engine	\$143,429	\$0	\$0			
9	2022-10-08-05	Delaware State University	NSF Engine Type – 1 Planning Grant	\$29,200	\$0	\$0			
10	2022-10-08-07	Delaware State University	Agrivoltaic Systems for Diversified Agriculture: A Project to Increase Technical Understanding of Agrivoltaics and Develop Novel Outreach Strategies for Farms	\$182,872	\$0	\$0			
11	2022-10-08-08	Delaware State University	Interdisciplinary Rehabilitation Research Center (IRRC) at a Historically-Black University	\$7,541,079	\$0	\$0			
12	2022-10-08-09	Delaware State University	NSF Engines: TYPE-1: TENSEGRITY: The Greater Philadelphia Smart Communities=Safe Communities Initiative	\$94,734	\$0	\$0			
13	2022-10-08-10	Delaware State University	Inclusive and Interdisciplinary Approach to Cellular and Molecular Biology at a HBCU	\$445,702	\$0	\$0			
14	2022-10-08-11	Delaware State University	A Selection-Based Assay to Identify Novel Protein-RNA Interactions	\$325,580	\$0	\$0			
15	2022-10-08-12	Delaware State University	Bridging the Educational Gap for Minority Students in Food and Agriculture Through Scholarship, Experiential Learning Opportunities, and Workforce Development	\$250,000	\$0	\$0			
16	2022-10-08-13	Delaware State University	Developing a Delaware Valley Regional Biotechnology Innovation Engine (UD Engine)	\$50,257	\$0	\$0			
17	2022-10-08-14	Delaware State University	The Culturally Sustaining Mathematics Education Project	\$299,980	\$0	\$0			
18	2022-10-15-01	University of Delaware	NSF Engines: Type-1: Delaware Valley Regional Engine for Use-Inspired Sustainable Engineering (DEV-REUSE)	\$668,456	\$0	\$0			
19	2022-10-15-02	University of Delaware	CIF: Small: Multidimensional Remaindering Theory and Applications	\$256,444	\$0	\$0			
20	2022-10-15-03	University of Delaware	Extremal and Spectral Graph Theory	\$0	\$0	\$64,633			
21	2022-10-15-04	University of Delaware	Advanced Remote Rehabilitation for Military Members After Orthopedic Trauma (ARMOR) of the Knee: A Randomized Controlled Trial	\$2,002,527	\$0	\$0			
22	2022-10-15-05	University of Delaware	Research-Practice Partnership with the Hewitt School	\$0	\$0	\$3,906			
23	2022-10-15-06	University of Delaware	Nancy Grace Roman CGI Precursor Science: Upper Limits on Exozodiacal Emission from Nearby Star Systems	\$0	\$0	\$20,625			

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24	2022-10-15-07	University of Delaware	Federal and State Technology Partnership (FAST)	\$114,679	\$0	\$0
25	2022-10-15-08	University of Delaware	Efficient Manufacturing of Sustainable Bioplastics from CO2	\$0	\$0	\$97,496
26	2022-10-15-09	University of Delaware	Coexistence of Bose Condensation and Pairing in Boson Mixtures	\$712,488	\$0	\$0
27	2022-10-15-10	University of Delaware	Research Initiation: Facilitating Knowledge Transfer Within Engineering Curricula	\$128,840	\$0	\$0
28	2022-10-15-11	University of Delaware	Towards Low Cost, Shelf Stable, and Orally Consumable Vaccines Using Synthetic Biology	\$0	\$0	\$276,105
29	2022-10-15-12	University of Delaware	Quantifying Brainstem Function Associated with Long Latency Responses for the Study of Neuromotor Control and Impairment	\$0	\$0	\$65,106
30	2022-10-15-13	University of Delaware	A Passive Gravity-Balancing Orthosis for Inconspicuous Self-Rehabilitation	\$0	\$0	\$65,106
31	2022-10-15-14	University of Delaware	Modeling Recovery of Sepsis-Induced Cardiomyopathy	\$0	\$0	\$65,106
32	2022-10-15-15	University of Delaware	Beyond Adoption: Theory and Empirics to Predict and Understand the Sustained Use of Cover Crops by Agricultural Producers	\$0	\$0	\$103,531
33	2022-10-15-16	University of Delaware	The Mobile Toolbox for Monitoring Cognitive and Behavioral Function (MTB2)	\$0	\$0	\$218,750
34	2022-10-15-17	University of Delaware	Quantification and Modeling of Perchlorate Impacts from Fireworks on Drinking Water Sources	\$0	\$0	\$200,000
35	2022-10-15-18	University of Delaware	Mechanosignaling in Pediatric Brain Cancers	\$0	\$0	\$16,916
36	2022-10-15-19	University of Delaware	Isoform-Specific Functions of Na, K-ATPase Beta-Subunits in Cerebellar Development	\$0	\$0	\$16,916
37	2022-10-15-20	University of Delaware	Improving Access to Emergency Depopulation Training Through the Development and Implementation of a Mixed Reality Training Environment for the Execution of Foam-Based, Poultry Mass Depopulation Protocols and Design of a More Portable Foaming Unit	\$349,789	\$0	\$0
38	2022-10-15-21	University of Delaware	Advancing Integrated Weed Management Research with Computer Vision Technology	\$224,977	\$0	\$0
39	2022-10-15-22	University of Delaware	Contributions of Cells and ECM to Human Cardiac Tissue Viscoelasticity	\$0	\$0	\$65,106
40	2022-10-15-23	University of Delaware	Evaluating the Function of the Reticular Formation in the Generation of a Stretch Reflex During Cortical Inhibition	\$0	\$0	\$65,106
41	2022-10-15-24	University of Delaware	Effects of Belt Acceleration Symmetry and Postural Biofeedback on Propulsion Mechanics in Post-Stroke Individuals	\$0	\$0	\$65,106
42	2022-10-15-25	University of Delaware	Consultation on V2G with Hyundai HATCI	\$0	\$0	\$55,362
43	2022-10-15-26	University of Delaware	Drinking Water Salinity in a Hot-Dry Environment: Water Needs, Kidney Function, and Blood Pressure	\$0	\$0	\$70,835
44	2022-10-15-27	University of Delaware	Plasmodesmal Targeting: Rules and Machinery	\$1,058,141	\$0	\$0
45	2022-10-15-28	University of Delaware	Harnessing Deep Learning and High-Resolution Sea Ice Algorithms for Science-Informed Risk and Uncertainty Assessment in the Chukchi and Beaufort Seas: An Integrated Testbed Framework with Numerical Models and Observations	\$5,271,315	\$0	\$0
46	2022-10-15-29	University of Delaware	Fast-Charging Lib Enabled by High-Capacity/-Power Oxyfluoride Cathodes, High-Voltage and Low-Resistance Electrolytes, and Structured Electrodes	\$0	\$0	\$534,522
47	2022-10-15-30	University of Delaware	Clean Hydrogen by Electrochemical Methods	\$19,456,328	\$0	\$0
48	2022-10-15-31	University of Delaware	Effect of Rye Shading on Corn Roots and Shoots in Traditional and Short Stature Corn	\$233,500	\$0	\$0

49	2022-10-15-32	University of Delaware	Ir4 Northeast Region Minor Crop Pest Management Program Postemergence Broadcast Herbicides / Sweet Potato	\$0	\$0	\$10,000
50	2022-10-15-33	University of Delaware	The Delaware Offshore Wind Training Pilot Program	\$897,458	\$0	\$0
51	2022-10-15-34	University of Delaware	Everyday Adaptation to Climate Change in Border Regions	\$0	\$0	\$8,997
52	2022-10-15-35	University of Delaware	RSA Acquisition of Goods and Services	\$64,989	\$0	\$0
53	2022-10-15-36	University of Delaware	Evaluation of Harvest Weed Seed Control Tactics for Sustainable Integration into US Cropping Systems	\$0	\$0	\$69,825
54	2022-10-15-37	University of Delaware	Racial Disparities in Pain Care: A Comprehensive Integration of Patient- and Provider-Level Mechanisms with Dyadic Communication Processes Using a Mixed-Methods Research Design	\$0	\$0	\$474,143
55	2022-10-15-38	University of Delaware	Bridge Durability Solutions Study Phase 2	\$0	\$0	\$79,799
56	2022-10-15-39	University of Delaware	Dissecting the Role of Kir2.1 in Obesity-Associated Ventricular Arrhythmia	\$2,499,995	\$0	\$0
57	2022-10-15-40	University of Delaware	Generative Models Beyond GANs: Hypergraph GANs	\$0	\$0	\$65,256
58	2022-10-15-41	University of Delaware	Acquisition of Orbitrap Quadrupole Mass Spectrometer for Advancing Cross-Disciplinary Research in Agro-Environment and Food Safety	\$500,000	\$0	\$0
59	2022-10-15-42	University of Delaware	Evaluation of the Effectiveness of Biocontrol Agents Against Emerald Ash Borer Infesting Ash and White Fringe Tree in Urban Forests	\$25,000	\$0	\$0
60	2022-10-15-43	University of Delaware	The Delaware Early Literacy Research-Practice Partnership- A Catalyst for Educational Equality	\$0	\$0	\$568,155
61	2022-10-15-44	University of Delaware	NSF Center for Integrated Catalysis	\$0	\$0	\$100,001
62	2022-10-15-45	University of Delaware	Expanding Delawareans' Access to Novel Interventions for Alzheimer's Disease	\$0	\$0	\$50,000
63	2022-10-15-46	University of Delaware	Evaluation of FHB Management Strategies in DE following the MGMT Protocol	\$19,448	\$0	\$0
64	2022-10-15-47	University of Delaware	Acquisition of Goods and Services	\$12,727	\$0	\$0
65	2022-10-15-48	University of Delaware	Forests Among Managed Ecosystems: Monitoring, Remediation, and Restoration	\$60,000	\$0	\$0
66	2022-10-15-49	University of Delaware	Biomolecular Interaction Technologies Fiscal Year 2023	\$0	\$0	\$90,000
67	2022-10-15-50	University of Delaware	Graduate Professional Skills (GPS) Program	\$0	\$0	\$15,000
68	2022-10-15-51	University of Delaware	Understanding and Addressing the Impact of COVID-19 Educational Disruptions on Critical Areas of Students' Mathematics Learning	\$0	\$0	\$256,151
69	2022-10-15-52	University of Delaware	Conference: The Middle Atlantic Bight Physical Oceanography and Meteorology (MABPOM) Meeting 2022	\$6,000	\$0	\$0
70	2022-10-15-53	University of Delaware	Mechanistic Modeling and Identification of Complex Biomolecular Networks in Individual Cells	\$227,024	\$0	\$0
71	2022-10-15-54	University of Delaware	Exploring Cognitive and Foundational Processes Underlying Pre-Algebra Among Students With and Without Mathematics Learning Difficulties	\$870,646	\$0	\$0
72	2022-10-15-55	University of Delaware	Generalized Fluctuation Test for Deciphering Phenotypic Switching Within Cell Populations	\$1,250,001	\$0	\$0
73	2022-10-15-56	University of Delaware	University Of Delaware Prison Research & Innovation Network	\$0	\$0	\$98,555
74	2022-10-15-57	University of Delaware	Smith-Lever Act Capacity Grant FY2023	\$1,429,981	\$0	\$0

75	2022-10-15-58	University of Delaware	Tailoring Hydroponic Factors to Controlled-Environment Production of Emerging Food Crops	\$895,553	\$0	\$0
76	2022-10-15-59	University of Delaware	University of Delaware Expanded Food and Nutrition Education Program (EFNEP) FY2023	\$313,297	\$0	\$0
77	2022-10-15-60	University of Delaware	Appendix A: University of Delaware Statement of Work: Protocol for Third Party Evaluation of SWECO Vibratory Separator System @ Kilby Dairy, Colora, Maryland	\$0	\$0	\$20,440
78	2022-10-15-61	University of Delaware	Collaborative Research: Assessing the Impact of Multisensory Environmental Cues on Hurricane Risk Perception and Protective Intention Using Neurophysiological Responses	\$169,818	\$0	\$0
79	2022-10-15-62	University of Delaware	Modernizing Fertilizer Recommendations in the Northeastern Region: The Fertilizer Recommendation Support Tool (FRST)	\$0	\$0	\$37,899
80	2022-10-15-63	University of Delaware	Delaware Clinical and Translational Research ACCEL Program	\$16,262,179	\$0	\$0
81	2022-10-15-64	University of Delaware	Conducting Polymers and Gels for Bioelectronic Sensing and Stimulation	\$1,250,000	\$0	\$0
82	2022-10-15-65	University of Delaware	Validating Learning Analytics with Student Voice by Aligning Traces, Text, and Interview Data About Self-Regulated STEM Learning	\$0	\$0	\$140,310
83	2022-10-15-66	University of Delaware	Evaluation of the Regional Educational Laboratories, Supplemental Proposal	\$0	\$0	\$53,965
84	2022-10-15-67	University of Delaware	Biological Control of Invasive Insects, Such as Brown Marmorated Stink Bug, Spotted Lanternfly and Spotted Wing Drosophila	\$3,520	\$0	\$0
85	2022-10-15-68	University of Delaware	Acquisition of Goods and Services	\$13,636	\$0	\$0
86	2022-10-15-69	University of Delaware	Research Support Agreement, Student Support FY23	\$10,305	\$0	\$0
87	2022-10-15-70	University of Delaware	Research Support Agreement, Student Support FY23, 011	\$18,182	\$0	\$0
88	2022-10-15-71	University of Delaware	Thermoradiative Energy Harvesting	\$0	\$0	\$12,500
89	2022-10-15-72	University of Delaware	Next Generation MRI for Virtual Mechanical Testing of Bone Fracture Healing	\$0	\$0	\$93,612
90	2022-10-15-73	University of Delaware	Dissecting and Employing Heterologous Cell Fusions in Synthetic Microbial Consortia	\$1,128,036	\$0	\$0
91	2022-10-15-74	University of Delaware	Transgelin Regulates Lens Epithelial Contractile Properties During Posterior Capsular Opacification	\$0	\$0	\$2,387
92	2022-10-15-75	University of Delaware	Regulation of Erythroid Heme Synthesis by CLPX	\$0	\$0	\$322,059
93	2022-10-15-76	University of Delaware	Novel Dual-Modality Treatment of Breast Cancer-Induced Osteolysis	\$200,000	\$0	\$0
94	2022-10-15-77	University of Delaware	Innovative Conservation Using Sterile Giant Miscanthus Perennial Grass Buffer Strips for Nutrient Control, Carbon Capture, and on-Farm Production of Poultry Bedding	\$1,956,956	\$0	\$0
95	2022-10-15-78	University of Delaware	Behavior of Monoclonal Antibody and Non-Ionic Surfactant at a Hydrophobic Interface by Small-Angle Neutron Scattering (SANS) and Neutron Reflectivity (NR)	\$0	\$0	\$126,542
96	2022-10-15-79	University of Delaware	NSF Engines: Type-1: NorthEast Future Connectivity Innovation Engine (NEFCIE)	\$0	\$0	\$56,876
97	2022-10-15-80	University of Delaware	Thermoradiatives for Improved Power on Satellites (TIPS)	\$0	\$0	\$345,023
98	2022-10-15-81	University of Delaware	Combinatorially Structured Diffusions	\$136,024	\$0	\$0
99	2022-10-15-82	University of Delaware	New Catalytic Methods to Prepare Axially Chiral Compounds	\$492,449	\$0	\$0
100	2022-10-15-83	University of Delaware	Lentiviral Gene Therapy for the Treatment of GALNS Enzyme Deficiency	\$0	\$0	\$911

101	2022-10-15-84	University of Delaware	Structural and Functional Analysis of Wntless in Wingless Secretion	\$0	\$0	\$647
102	2022-10-15-85	University of Delaware	JPMC FSN PHD Student Tuition and Stipend Support Funds	\$0	\$0	\$1,522,200
103	2022-10-15-86	University of Delaware	Clinical Interpretation and Application of Patient-Reported Communicative Participation Outcomes After Stroke, and the Influence of Psychosocial Factors	\$1,448,451	\$0	\$0
104	2022-10-15-87	University of Delaware	Modular Armored Structural Helo (MASH) Flooring	\$0	\$0	\$25,001
105	2022-10-15-88	University of Delaware	Improving Computer Science Instruction Through Automated Feedback to Teachers-A Case Study on Teachers' Uptake of Student Ideas	\$0	\$0	\$140,734
106	2022-10-15-89	University of Delaware	Collaborative Proposal: TARGET by Example: Developing a Socio-Cognitive Approach to Enhance Fractions Learning Experiences	\$1,112,181	\$0	\$0
107	2022-10-15-90	University of Delaware	Patient Experience Academy (PEA) Training	\$185,472	\$0	\$0
108	2022-10-15-91	University of Delaware	Design & Development of OPEN for STEM: A Professional Learning Program to Promote Positive Emotions, Beliefs, and Effectiveness in Beginning Elementary STEM Educators	\$1,876,276	\$0	\$0
109	2022-10-15-92	University of Delaware	A Graphon-Based Approach to Approximate Seriation	\$114,795	\$0	\$0
110	2022-10-15-93	University of Delaware	Umpolung Methods with Electron Rich Aromatic Systems: Aniline-Derived Reactive Intermediates in Synthesis	\$328,841	\$0	\$0
111	2022-10-15-94	University of Delaware	Synthesis and Application of m-DAP Containing Peptidoglycan Fragments	\$0	\$0	\$1,000
112	2022-10-15-95	University of Delaware	Examining Circadian Misalignment as a Determinant of Cardiovascular Disease Risk in Free-Living, Non-Shift Working Adults	\$2,635,154	\$0	\$0
113	2022-10-15-96	University of Delaware	Clinical and Biomechanical Implications of Graft Site Tendon Recovery After Anterior Cruciate Ligament Reconstruction Using Bone-Patellar Tendon-Bone Autograft	\$275,000	\$0	\$0
114	2022-10-15-97	University of Delaware	Role of BMP2 in Bone Formation and Homeostasis	\$1,549,700	\$0	\$0
115	2022-10-15-98	University of Delaware	NCCPD De-Escalation Evaluation	\$0	\$0	\$41,992
116	2022-10-15-99	University of Delaware	Quantum Many Particle Phenomena in Multi-Layer Two Dimensional Systems	\$217,931	\$0	\$0
117	2022-10-16-01	University of Delaware	Quantum Many Particle Phenomena in Multi-Layer Two Dimensional Systems	\$217,931	\$0	\$0
118	2022-10-16-02	University of Delaware	Supporting Student Regulation and Motivation (SSRAM) Through a Learning Analytic Dashboard	\$1,064,473	\$0	\$0
119	2022-10-16-03	University of Delaware	Building Diversity in Art Conservation: Practical Education and Training	\$0	\$0	\$500,000
120	2022-10-16-04	University of Delaware	Investigating the Role of Hsp90beta in Murine Heart	\$0	\$0	\$893
121	2022-10-16-05	University of Delaware	Identification of Metabolite Cap Interactome	\$0	\$0	\$1,062
122	2022-10-16-06	University of Delaware	Using Machine Learning to Predict Retinal and Brain Damage in Sickle Cell Disease	\$0	\$0	\$624,998
123	2022-10-16-07	University of Delaware	Service Patterns in the Post-Pandemic Era and Their Impact on Developmental/Health Outcomes of Children with Autism	\$1,276,070	\$0	\$0
124	2022-10-16-08	University of Delaware	Multi-Generational Susceptibility to Postpartum Anhedonia	\$275,000	\$0	\$0
125	2022-10-16-09	University of Delaware	Accelerated Mobility and Cognitive Impairment in Older Adults with Repetitive Neurotrauma Exposure	\$250,000	\$0	\$0
126	2022-10-16-10	University of Delaware	Data-Driven Modeling of the Vibrational Spectroscopy of Ion Channels	\$875,000	\$0	\$0

127	2022-10-16-11	University of Delaware	Mitochondrial Metabolism and Reactive Oxygen Species in Health and Disease	\$1,250,000	\$0	\$0
128	2022-10-16-12	University of Delaware	Novel Model of Tendinosis to Investigate Multiscale Structure and Function of Tendon After Overload	\$716	\$0	\$0
129	2022-10-16-13	University of Delaware	NSF Engines: Type-1: The Delmarva Earth-to-Space Observation Network	\$0	\$0	\$129,874
130	2022-10-16-14	University of Delaware	Sandia National Labs Plechac	\$0	\$0	\$34,375
131	2022-10-16-15	University of Delaware	Collaborative Research: Novel Techniques to Visualize and Probe Plant-Microbe Interactions for a Sustainable Future	\$271,996	\$0	\$0
132	2022-10-16-16	University of Delaware	CSR: Small: Coordinating Non-Volatile Memory and Solid-State Storage for Efficient Multi-level Checkpoint and Restart	\$317,493	\$0	\$0
133	2022-10-16-17	University of Delaware	Investigating the Role of Piezos in Lens Injury Responses	\$0	\$0	\$2,049
134	2022-10-16-18	University of Delaware	Enzymatic Activity and Structure of NudC Protein	\$0	\$0	\$1,326
135	2022-10-16-19	University of Delaware	Developing High-Throughput Methods to Characterize the Iron Oxidizing Physiology of Leptothrix Cholodnii Sp-6	\$0	\$0	\$690
136	2022-10-16-20	University of Delaware	Parkinson's Disease Telehealth Clinic 2023	\$0	\$0	\$17,000
137	2022-10-16-21	University of Delaware	Gait Automaticity, Musculoskeletal Injury Risk, and Sex Differences in Children with Concussion: A Longitudinal Study	\$0	\$0	\$70,208
138	2022-10-16-22	University of Delaware	PARTNERSHIP: Advancing Production of Hybrid Triticeae Crops Via Conditional Male Sterility	\$0	\$0	\$105,014
139	2022-10-16-23	University of Delaware	Sustaining Oak Forests and Biodiversity in Cities with Urban- and Climate-Adapted Conservation Practices	\$637,290	\$0	\$0
140	2022-10-16-24	University of Delaware	Hard Microbiology: Building Synthetic Microbial Communities in Concrete	\$699,750	\$0	\$0
141	2022-10-16-25	University of Delaware	Machine Learning in Investigating Understudied Protein Kinase Interactions	\$0	\$0	\$1,000
142	2022-10-16-26	University of Delaware	Epigenetic Dysregulation of Muscle in Spastic Cerebral Palsy	\$0	\$0	\$617,097
143	2022-10-16-27	University of Delaware	Photonic Curing of Printed Copper Contacts for High Efficiency and Low Cost Silicon Heterojunctions	\$0	\$0	\$249,766
144	2022-10-16-28	University of Delaware	Stochastic Resonance Stimulation to Improve Somatosensation and Dynamic Balance in Cerebral Palsy	\$1,774,900	\$0	\$0
145	2022-10-16-29	University of Delaware	Elucidating the Role of Hsp90s in Organelle Specific-Cell Death Pathways	\$1,250,000	\$0	\$0
146	2022-10-16-30	University of Delaware	Building a Model of the Molecular Interactions of Fertilization and Egg Activation in C. Elegans	\$1,250,000	\$0	\$0
147	2022-10-16-31	University of Delaware	Functional Consequences of Transcription Initiation with Canonical and Non-Canonical Nucleotides	\$1,250,000	\$0	\$0
148	2022-10-16-32	University of Delaware	Characterization of Hydrogel-Induced Dormant States in Breast Cancer	\$900,000	\$0	\$0
149	2022-10-16-33	University of Delaware	Low-Cost and High Efficiency CMOS Compatible Gan High Electron Mobility Transistor Technology for Wireless Power Charging at the Hospitals	\$0	\$0	\$150,000
150	2022-10-16-34	University of Delaware	Accelerate Improvements in Hurricane Intensity Forecasting Through Underwater Glider Field Campaigns	\$690,948	\$0	\$0
151	2022-10-16-35	University of Delaware	CNS Core: Small: Enabling Real-time, Scalable and Secure Collaborative Intelligence on the Edge	\$0	\$0	\$176,906
152	2022-10-16-36	University of Delaware	Bellevue/Samsha Planet Youth Coalition Spf-Pfs Evaluation Team	\$0	\$0	\$25,447



153	2022-10-16-37	University of Delaware	Enhancing Efficiency of Field Sample Submissions to High Throughput Laboratories	\$202,131	\$0	\$0
154	2022-10-16-38	University of Delaware	Increasing Awareness of Climate Impacts and Adaptations in Delaware and the Northeast	\$28,000	\$0	\$0
155	2022-10-16-39	University of Delaware	Middle School Students as Citizen Scientists	\$333,682	\$0	\$0
156	2022-10-16-40	University of Delaware	Development of the STEM Learning Lab at the University of Delaware: A Model Center for Supporting Pre-Service and Practicing Elementary STEM Teacher Effectiveness	\$3,047,962	\$0	\$0
157	2022-10-16-41	University of Delaware	Sympathetic Consequences of the Menopausal Transition	\$275,000	\$0	\$0
158	2022-10-16-42	University of Delaware	Reshaping Future of Physical Therapy for Parkinson's Disease Through the Metaverse	\$0	\$0	\$150,000
159	2022-10-16-43	University of Delaware	Developing Upper Extremity VCA-Specific Patient-Reported Measures of Functional and Social	\$624,935	\$0	\$0
160	2022-10-16-44	University of Delaware	Microrobot-Guided Microbial Surveillance in Poultry Production	\$210,011	\$0	\$0
161	2022-10-16-45	University of Delaware	Optical Fiber-Based Phosphine Sensor for Storage Containers	\$0	\$0	\$30,062
162	2022-10-16-46	University of Delaware	Closed Loop Control of Microrobots in 3D for Cellular Patterning	\$0	\$0	\$972
163	2022-10-16-47	University of Delaware	Effects of Tart Cherry Consumption on Cardiovascular and Sleep Health in Postmenopausal Women	\$0	\$0	\$105,000
164	2022-10-16-48	University of Delaware	Poetry as Activism	\$0	\$0	\$228,000

Revised 10/13/2022

**Delaware State Clearinghouse Committee**  
**November Agenda**  
Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901  
November 15, 2022 @ 10:00am

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Federal</i>	<i>Positions State</i>	<i>Other</i>
<b>New Business*</b>									
1	<a href="#">5623</a>	Department of State, Delaware Commission of Veterans Affairs	Bear Columbarium Expansion	\$2,537,600	\$253,760	\$0	0.00	0.00	0.00
2	<a href="#">5628</a>	Department of Health and Social Services, Division of Public Health, Community Health	Technology for a Better WIC Experience Communications, Data, and Metrics Grant - ARP COVID-19	\$350,000	\$0	\$0	0.00	0.00	0.00
3	<a href="#">5657</a>	Department of Labor, Unemployment Insurance	Pandemic Unemployment Assistance (PUA) Administration	\$632,000	\$0	\$0	0.00	0.00	0.00
4	<a href="#">5658</a>	Department of Labor, Unemployment Insurance	Pandemic Emergency Unemployment Compensation (PEUC) Administration	\$162,000	\$0	\$0	0.00	0.00	0.00
5	<a href="#">5659</a>	Department of Labor, Unemployment Insurance	Federal Pandemic Unemployment Compensation (FPUC) Administration	\$700,000	\$0	\$0	0.00	0.00	0.00
<b>Continued</b>									
1	<a href="#">5610</a>	Executive, Office of Management and Budget, Food Distribution	The Emergency Food Assistance Program (TEFAP)	\$193,792	\$131,522	\$0	1.40	2.70	0.00
2	<a href="#">5614</a>	Executive, Office of Management and Budget, Food Distribution	State Administrative Expense Funds	\$129,006	\$0	\$0	0.60	0.00	0.00
3	<a href="#">5639</a>	Executive, Criminal Justice, Criminal Justice Council	Title II Formula Block Grant	\$605,937	\$60,593	\$0	0.60	0.69	0.00
4	<a href="#">5668</a>	Executive, Criminal Justice, Criminal Justice Council	Project Safe Neighborhoods	\$92,013	\$0	\$0	0.07	0.00	0.00
5	<a href="#">5669</a>	Executive, Criminal Justice, Criminal Justice Council	Edward Byrne Justice Assistance Grant	\$1,006,656	\$0	\$0	1.13	0.00	0.00
6	<a href="#">5656</a>	Legal, Department of Justice	Internet Crimes Against Children	\$338,990	\$0	\$0	2.00	0.00	0.00
7	<a href="#">5650</a>	Department of State, Public Service Commission, Regulation and Licensing	Pipeline Safety One Call	\$9,350	\$0	\$0	0.00	0.00	0.00
8	<a href="#">5655</a>	Department of State, Human and Civil Rights	Fair Housing Assistance Program	\$174,945	\$0	\$0	1.00	0.00	0.00
9	<a href="#">5571</a>	Department of Health and Social Services, Administration, Office of the Secretary	State Loan Repayment Program	\$675,000	\$0	\$0	0.00	0.00	0.00
10	<a href="#">5616</a>	Department of Health and Social Services, Substance Abuse and Mental Health	Substance Abuse Prevention & Treatment Services	\$7,155,296	\$0	\$0	3.20	0.00	0.00
11	<a href="#">5240 Amendment</a>	Department of Health and Social Services, Social Services	Refugee Social Service Program	\$530,992	\$0	\$0	0.00	0.00	0.00
12	<a href="#">5256 Amendment</a>	Department of Health and Social Services, Social Services	Supplemental Nutritional Assistance Program Pandemic Electronic Benefits Administration - ARP COVID-19	\$1,154,762	\$0	\$0	0.00	0.00	0.00
13	<a href="#">5647</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Marine Debris Removal	\$1,312,927	\$0	\$0	0.00	0.00	0.00
14	<a href="#">5651</a>	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Water	Underground Injection Control	\$48,000	\$36,880	\$0	0.51	0.33	0.00
15	<a href="#">5641</a>	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Non-Profit Security Grant Program	\$2,400,905	\$0	\$0	0.00	0.00	0.00
16	<a href="#">5648</a>	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Homeland Security Grant Program	\$4,847,500	\$0	\$0	2.75	0.00	0.00
17	<a href="#">5652</a>	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Hazard Materials Emergency Planning	\$559,445	\$139,861	\$0	0.09	0.57	0.00

18	<a href="#">5624</a>	Department of Labor, Employment and Training, Employment and Training Services	Trade Adjustment Assistance	\$229,093	\$0	\$0	1.50	0.00	0.00
19	<a href="#">5631</a>	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest Survey - Fire Ant Survey	\$9,400	\$0	\$0	0.05	0.00	0.00
20	<a href="#">5633</a>	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest Survey	\$30,000	\$0	\$0	0.20	0.00	0.00
21	<a href="#">5636</a>	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest Survey - Infrastructure	\$71,649	\$0	\$0	0.75	0.00	0.00
22	<a href="#">5661</a>	Department of Agriculture, Forest Service	Volunteer Fire Assistance	\$36,867	\$15,260	\$21,607	0.00	0.14	0.00
23	<a href="#">5511 Amendment</a>	Department of Education, Student Support	Special Milk Program	\$3,740	\$0	\$0	0.00	0.00	0.00

**Higher Education**

1	4653 Amendment	Delaware Technical Community College	Strengthening Institutions Programs	\$1,438,078	\$0	\$0			
2	2022-11-12-01	University of Delaware	Probabilistic Modeling for Professional Purposes - Understanding How to Support the Next Generation of Professional Modelers	\$283,917	\$0	\$0			
3	2022-11-12-02	University of Delaware	Examining Therapeutic Change Mechanisms in an Affect Regulation, Father-Focused Intervention for Reducing Family Violence and Associated Symptoms in Children	\$0	\$0	\$323,853			
4	2022-11-12-03	University of Delaware	Tunable and Dynamic Materials to Exploit and Assess Spatiotemporal Mechanobiology	\$1,250,001	\$0	\$0			
5	2022-11-12-04	University of Delaware	Torsional Resonator System for the Simultaneous Measurement of Density and Viscosity at High Temperature	\$0	\$0	\$78,125			
6	2022-11-12-05	University of Delaware	Development of a U.S. East Coast Community Ocean Forecast System	\$0	\$0	\$93,751			
7	2022-11-12-06	University of Delaware	Collaborative Research: Integrating Organismal Traits and Oceanographic Features into the Design of Conservation Measures for Oceanic Predators	\$557,868	\$0	\$0			
8	2022-11-12-07	University of Delaware	Particle Acceleration and Diffusion in Plasma Turbulence: Efficiencies of Localized Structures	\$379,916	\$0	\$0			
9	2022-11-12-08	University of Delaware	Earth System Modeling Techniques, Strategies, Collaboration and Coordination	\$136,650	\$0	\$0			
10	2022-11-12-09	University of Delaware	Discovery of Molecular Probes and Therapeutic Leads, Administrative Supplement on HPV	\$200,000	\$0	\$0			
11	2022-11-12-10	University of Delaware	Collagen-Targeting Approaches to Improve the Intra-Articular Delivery and Controlled Release of Disease-Modifying Osteoarthritis Drugs	\$2,401,143	\$0	\$0			
12	2022-11-12-11	University of Delaware	Center for Leadership in Environmental Awareness and Research: Integrated IoT Sensing and Edge Computing Coupled with a Bayesian Network Model for Exposure Assessment and Targeted Remediation of Vapor Intrusion	\$0	\$0	\$6,265			
13	2022-11-12-12	University of Delaware	Is Mk 34 the Most Massive Binary Star System? A Dynamic Modeling Effort Afforded by Chandra	\$0	\$0	\$56,250			
14	2022-11-12-13	University of Delaware	Mechanistic Studies of the Oxygen Reduction Reaction in Tailored Catalytic-Ionic Liquids Systems Towards Electrochemical Oxidative Desulfurization & Denitrogenation	\$0	\$0	\$110,000			
15	2022-11-12-14	University of Delaware	Predicting Percolation in District Parklands: Soil Amendment Techniques and Subsoiling on Compacted Urban Land in DC	\$0	\$0	\$46,870			
16	2022-11-12-15	University of Delaware	Scaling Up Climate Smart Agriculture Tools, Resources, and Extension Outreach for the Northeast	\$0	\$0	\$56,553			
17	2022-11-12-16	University of Delaware	John Dickinson Writings Project	\$121,581	\$0	\$0			
18	2022-11-12-17	University of Delaware	Tele-PD: A Novel Telerehabilitation System for Individuals with Parkinson's Disease Using Collaborative MR and Biofeedback	\$0	\$0	\$27,601			
19	2022-11-12-18	University of Delaware	Lab-Scale Additive Manufacturing of Coal-Derived Carbon-Metal Composites for High-Performance Heat Sink	\$813,084	\$0	\$0			

20	2022-11-12-19	University of Delaware	Priority 1: Borehole Geophysical Logs: Data Preservation and Web Access + Preserving Photographs of Delaware Boundary Monuments + ReSciColl Collections Metadata Update	\$68,978	\$0	\$0
21	2022-11-12-20	University of Delaware	Funds to Support the Young Coastal Scientists and Engineers Conference Americas	\$3,959	\$0	\$0
22	2022-11-12-21	University of Delaware	A Critical, Ecological Perspective on Wallace Foundation Research Production, Diffusion, and Use	\$0	\$0	\$601,177
23	2022-11-12-22	University of Delaware	The Role of Oxytocin in Offspring Obesity After Cesarean Delivery	\$306,802	\$0	\$0
24	2022-11-12-23	University of Delaware	Management Research on Stink Bugs Coordinated in the Atlantic, Mid-South, Southern and North Central Regions	\$0	\$0	\$78,014
25	2022-11-12-24	University of Delaware	Collaborative Research: Characterizing Ecosystem Drivers of Top-Predator Trophodynamics to Predict the Future of Pelagic Food-Webs	\$403,958	\$0	\$0
26	2022-11-12-25	University of Delaware	Role of SLC Transporters in BCG Immunotherapy	\$0	\$0	\$40,000
27	2022-11-12-26	University of Delaware	Investigating Antecedents of the Adolescent Mental Health Crisis: The Explanatory Role of Executive Function, Allostatic Load, and Social Media	\$293,419	\$0	\$0
28	2022-11-12-27	University of Delaware	Cornerstone West CDC 1 PADE 22/23 Partner Organization	\$0	\$0	\$24,000
29	2022-11-12-28	University of Delaware	First State Squash PADE 22/23 Partner Organization	\$0	\$0	\$16,500
30	2022-11-12-29	University of Delaware	Characterizing Web 3 Risks and Opportunities	\$0	\$0	\$123,484
31	2022-11-12-30	University of Delaware	Toward Copper as a Potential Mainstream Metallization in Si PV by the Development and Characterization of Homo-, Polysilicon- and Hetero-Junction Silicon Solar Cell Structures with Screen-Printed Copper Paste	\$0	\$0	\$83,254
32	2022-11-12-31	University of Delaware	AccelNet-Implementation: Compute-Driven Biodiversity Discovery Network of the Americas (C-BIODNA)	\$1,739,374	\$0	\$0
33	2022-11-12-32	University of Delaware	University of Delaware Leadership in Civic Engagement	\$0	\$0	\$200,327
34	2022-11-12-33	University of Delaware	Closure of Collisionless Dissipation by Tracing the Flow of Energy	\$468,467	\$0	\$0
35	2022-11-12-34	University of Delaware	Effect of Weight-bearing and Range of Motion on Repaired Meniscus Mechanics	\$0	\$0	\$13,040
36	2022-11-12-35	University of Delaware	Measuring Workplace Inclusion for Autistic Employees and the Connections to Mental Health	\$177,554	\$0	\$0
37	2022-11-12-36	University of Delaware	Detecting Epigenetic Signatures to Prevent Avoidable Racial Inequities in TNBC (DESPARIT).	\$279,552	\$0	\$0
38	2022-11-12-37	University of Delaware	CCHS Sims-Mourtada Amendment 17A	\$0	\$0	\$13,703
39	2022-11-12-38	University of Delaware	NHERI Computational Modeling and Simulation Center (SimCenter)	\$0	\$0	\$26,333
40	2022-11-12-39	University of Delaware	4H Programming in Ncc, 4H, Rt9 and Knollwood for FY2024	\$0	\$0	\$84,000
41	2022-11-12-40	University of Delaware	Digital Authoritarianism in Africa - African Legacy or Chinese Strategy	\$0	\$0	\$7,500
42	2022-11-12-41	University of Delaware	Computer Vision-Enabled Monitoring of Phorid and Sciarid Flies on Mushroom Farms	\$0	\$0	\$159,788
43	2022-11-12-42	University of Delaware	Microrobot-Guided Targeting of Age-Related Reproductive Physiology	\$400,000	\$0	\$0
44	2022-11-12-43	University of Delaware	Strengthening Mid-Atlantic Infrastructure, Data Products and Services	\$1,095,698	\$0	\$0
45	2022-11-12-44	University of Delaware	Advancing Healthy Lifestyles FY23	\$0	\$0	\$56,105

46	2022-11-12-45	University of Delaware	Regional Land Use Designs for Climate Resilience Over the 21st Century	\$0	\$0	\$231,448
47	2022-11-12-46	University of Delaware	Matching Scratch Paper to Word Problems: A Fast and Accurate Visual Inspection Algorithm	\$0	\$0	\$109,089
48	2022-11-12-47	University of Delaware	Adaptive Integrated Photonic Metalens Imager	\$306,219	\$0	\$0
49	2022-11-12-48	University of Delaware	ADAPTATION: Re-Envisioning Inclusive and Sustainable Excellence (RISE): Advancing Women and Underrepresented Minorities in STEM at Old Dominion University	\$0	\$0	\$93,680
50	2022-11-12-49	University of Delaware	Localized Biofactor Delivery from Mechano-Active Scaffolds to Promote Annulus Fibrosus Repair	\$0	\$0	\$161,240
51	2022-11-12-50	University of Delaware	Deep Prognosis for EV Batteries	\$0	\$0	\$149,415
52	2022-11-12-51	University of Delaware	Resveratrol for the Prevention of Bone Loss in Postmenopausal Women with Osteopenia	\$200,000	\$0	\$0
53	2022-11-12-52	University of Delaware	Nuvve Research Year 7 Funding	\$0	\$0	\$348,974
54	2022-11-12-53	University of Delaware	Growth and Angiogenesis in Lymph Nodes -- Biomathematical Insights into Inflammation	\$365,393	\$0	\$0
55	2022-11-12-54	University of Delaware	Dementiabank: An Open Access Language Database to Understand the Progression of Dementia	\$0	\$0	\$1,286,447
56	2022-11-12-55	University of Delaware	Robust Multi-Sensor Odometry, Localization, and Calibration	\$0	\$0	\$0
57	2022-11-12-56	University of Delaware	Spatiotemporal Dynamic Materials to Assess Point-of-Origin Mechanobiology	\$310,627	\$0	\$0
58	2022-11-12-57	University of Delaware	Understanding the Role of Turbulence and Diffusion in the Acceleration and Transport of Solar Energetic Particles	\$0	\$0	\$130,739
59	2022-11-12-58	University of Delaware	Neural Contributions to Prefrontal-Hippocampal Synchrony	\$0	\$0	\$6,000
60	2022-11-12-59	University of Delaware	National Early Care and Education Workforce Center	\$0	\$0	\$722,543
61	2022-11-12-60	University of Delaware	Office of Education - Student Support Services Program - 2022-2023	\$323,569	\$0	\$0
62	2022-11-12-61	University of Delaware	Preceptorship Experience for Andrew Pechstein in the Delaware ACTIVE Lab	\$0	\$0	\$1,000
63	2022-11-12-62	University of Delaware	The Role of Individual Factors on Recovery from Achilles Tendinopathy with a Comprehensive Exercise Program	\$0	\$0	\$1,000
64	2022-11-12-63	University of Delaware	Brandywine Shad 2020 Phase 3	\$0	\$0	\$120,057
65	2022-11-12-64	University of Delaware	Humphrey Fellows for Short-Term English Training	\$0	\$0	\$308,827
66	2022-11-12-65	University of Delaware	Enhancing the Treatment of Acute Myeloid Leukemia Through Biomimetic Nanocarrier Delivery of Calicheamicin	\$275,000	\$0	\$0
67	2022-11-12-66	University of Delaware	Testing of Intelligent Fertilizer for Improved Soybean Yield and Reduced Leaching of Phosphorus	\$0	\$0	\$99,583
68	2022-11-12-67	University of Delaware	Bio-Orthogonal in-Vivo Diels Alder Chemistry	\$0	\$0	\$33,154
69	2022-11-12-68	University of Delaware	Exploring the High-Energy and Time-Domain Universe with an All-Sky Rapid Transient Optical Observatory	\$0	\$0	\$147,970
70	2022-11-12-69	University of Delaware	Advanced Passivation and Contact Approaches for CdZnTe Solar Cells	\$236,461	\$0	\$0
71	2022-11-12-70	University of Delaware	New Sb2S3-Based Back Contacts for High Performance CdTe Solar Cells	\$241,640	\$0	\$0

72	2022-11-12-71	University of Delaware	Ventilated Rodent Caging for the University of Delaware Life Science Research Facility	\$339,510	\$0	\$0
73	2022-11-12-72	University of Delaware	Single-Cell Transcriptomic Approaches to Elucidate Mechanisms of Heat Tolerance in Layer Hens	\$180,000	\$0	\$0
74	2022-11-12-73	University of Delaware	Investigating Metabolic Implications of Reproductive Tract Microbiome in Layer Hens and Broiler Breeders	\$180,000	\$0	\$0
75	2022-11-12-74	University of Delaware	Development of a Prototype Smart Hy-Rail Wheel	\$0	\$0	\$62,489
76	2022-11-12-75	University of Delaware	Osteocyte Perilacunar/Canalicular Remodeling (PLR) in Maternal Skeleton Adaptation	\$0	\$0	\$611,157
77	2022-11-12-76	University of Delaware	Investigation of CdTe Defect Passivation by Gas Phase Reactions	\$241,110	\$0	\$0
78	2022-11-12-77	University of Delaware	Study of the U.S. Institutes for Young Women Leaders	\$0	\$0	\$190,841
79	2022-11-12-78	University of Delaware	Extension Collaboration on Immunization Teaching and Engagement	\$0	\$0	\$8,992
80	2022-11-12-79	University of Delaware	Introduction of Immune Tolerance to Cas9 Protein in MPS IVA Mice	\$0	\$0	\$148,945
81	2022-11-12-80	University of Delaware	USDA NIFA McIntire Stennis 23	\$106,987	\$0	\$0
82	2022-11-12-81	University of Delaware	Collaborative Research: Top-Down Vs. Bottom-Up: Deciphering the Subantarctic South Pacific Ocean's Role in Pleistocene Climate Evolution with IODP Expedition 383 Sediments	\$290,857	\$0	\$0
83	2022-11-12-82	University of Delaware	Collaborative Research: Direct Imaging and Videographic Characterization of Complex Polymeric Nanomaterials and Their Dynamics in Solution	\$111,386	\$0	\$0
84	2022-11-12-83	University of Delaware	Cell-Derived Carriers for HIV Drug Delivery to the CNS and Lymphoid Tissues	\$3,610,703	\$0	\$0
85	2022-11-12-84	University of Delaware	Armor Interferometric Sensor (AIS)	\$0	\$0	\$37,500
86	2022-11-12-85	University of Delaware	University of Delaware Renewable Resources Extension Act FY23	\$46,449	\$0	\$0
87	2022-11-12-86	University of Delaware	Digital Authoritarianism in Africa: African Legacy or Chinese Strategy?	\$0	\$0	\$12,000
88	2022-11-12-87	University of Delaware	Collaborative Research: SCH: Human-in-the-Loop Architecture of Agile Robotic Prostheses for Real-World Mobility Over Dynamic Terrains	\$273,282	\$0	\$0
89	2022-11-12-88	University of Delaware	Collaborative Research: Thermochemistry and Chemical Kinetics of Halide-Driven Crystal Structure Control of Manganese and Lanthanide Chalcogenide Nanocrystals	\$280,972	\$0	\$0
90	2022-11-12-89	University of Delaware	Connecting Present and Future Disparities: Environmental Impacts at the Intersection of Compound Flood Hazards and the Oil and Gas Industry	\$0	\$0	\$113,682
91	2022-11-12-90	University of Delaware	Collaborative Research: CAS: Synergy of Surface and Crystal Chemistries on the Reactivity of Hydroxyapatite with Gases and Waters	\$226,256	\$0	\$0
92	2022-11-12-91	University of Delaware	Collaborative Research: NeTS: Medium: Enabling Delay-Critical Collaborative Inference for Wireless Vehicular Networks	\$199,289	\$0	\$0
93	2022-11-12-92	University of Delaware	Collaborative Research: CSR: Small: Exploring the Next-Gen Computing Platform for Multi-Domain Autonomous Vehicle Intelligence	\$196,225	\$0	\$0
94	2022-11-12-93	University of Delaware	Fatigability and Biomechanical Mechanisms of Increased Fall Risk in People with Knee Osteoarthritis	\$275,000	\$0	\$0
95	2022-11-12-94	University of Delaware	Bioprinting Functional Cartilage Grafts with Zonal Characteristics	\$0	\$0	\$40,000
96	2022-11-12-95	University of Delaware	Strengthening Mid-Atlantic Infrastructure, Data Products and Services	\$1,488,698	\$0	\$0
97	2022-11-12-96	University of Delaware	USDA Hatch Regular Keeler 23	\$1,185,770	\$0	\$0

98	2022-11-12-97	University of Delaware	Animal Health and Disease Research Program FY23	\$20,415	\$0	\$0
99	2022-11-12-98	University of Delaware	COVID-19, Vaccinations and School/Community Resources: Children's Longitudinal Health and Education Outcomes Using Linked Administrative Data	\$0	\$0	\$105,647
100	2022-11-12-99	University of Delaware	Geometric Analysis of Convex Sets Via Three Lenses	\$309,759	\$0	\$0
101	2022-11-13-01	University of Delaware	Collaborative Research: Enhancing Connected and Automated Vehicles by Recognizing Human Risk Preferences	\$258,006	\$0	\$0
102	2022-11-13-02	University of Delaware	Corn Planting Timing Effects on Yield, Herbivory, and Nutrient Uptake	\$0	\$0	\$9,654
103	2022-11-13-03	University of Delaware	STEAM (Science, Technology, Engineering, Art, Mathematics) Day by Project Brain Light	\$0	\$0	\$997
104	2022-11-13-04	University of Delaware	GROW: A National Response to the Herbicide-Resistant Weed Epidemic	\$246,586	\$0	\$0
105	2022-11-13-05	University of Delaware	USDA Hatch Multistate FY23	\$537,548	\$0	\$0
106	2022-11-13-06	University of Delaware	The Effect of Frontal Activity Asymmetries on Effort Intensity	\$0	\$0	\$45,031
107	2022-11-13-07	University of Delaware	Effects of Increasing Corn Tissue Boron and Sulfur Concentrations on Nitrogen and Yield (3rd Year)	\$0	\$0	\$9,635
108	2022-11-13-08	University of Delaware	Evaluating Reduced Atrazine Rates for Weed Control in Corn	\$0	\$0	\$12,923
109	2022-11-13-09	University of Delaware	Improving K Fertilizer Recommendations for Corn on the Delmarva Peninsula	\$0	\$0	\$7,489
110	2022-11-13-10	University of Delaware	Filling a Major Gap in Care with Telehealth PT for Underrepresented Minorities with Knee OA: A Pilot Feasibility Study	\$400,000	\$0	\$0
111	2022-11-13-11	University of Delaware	School-Based Mental Health Promotion in the First State: Building Capacity with Multi-Tiered Systems of Support	\$4,314,553	\$0	\$0
112	2021-11-6-14 Amendment	Delaware State University	Agricultural Extension at 1890 Land Grant Institutions (Cooperative Extension)	\$4,165,570	\$0	\$0
113	2022-11-05-01	Delaware State University	Partnership for Analysis of Ground-Based and Satellite Data for Water Management in Vulnerable Coastal Regions	\$1,498,836	\$0	\$0
114	2022-11-05-02	Delaware State University	FY 2023 RREA Project (Renewable Resources Extension Program Abstract)	\$13,500	\$0	\$0
115	2022-11-05-03	Delaware State University	FY23 McIntire Stennis: Development of Genetic and Genomic Resources in Sugar Maple (Acer Saccharum Marshall) Using Next Generation Sequencing Technologies	\$142,650	\$0	\$0
116	2022-11-05-04	Delaware State University	Excellence in Research – DOP-2,DAT-1 and TRP-4 Interaction in Mediating Dopaminergic Synaptic Homeostasis in C. Elegans	\$641,190	\$0	\$0
117	2022-11-05-06	Delaware State University	Addressing Student Insecurities	\$899,987	\$0	\$0
118	2022-11-05-07	Delaware State University	The Postsecondary Student Success Program at Delaware State	\$979,070	\$0	\$0
119	2022-11-05-08	Delaware State University	Excellence in Research- High-Resolution Spatiotemporal Measurements of Dissolved Trace Gases and Sulfur Isotopes Using AI-driven Hollow-core Fiber Sensing	\$501,825	\$0	\$0
120	2022-11-05-09	Delaware State University	Excellence in Research: Soft Nanostructure Enhanced Antibody-Antigen Complexes in Point-of-care Testing	\$349,933	\$0	\$0
121	2022-11-05-10	Delaware State University	Scaling Climate Smart Agriculture Tools, Resources, and Extension	\$300,000	\$0	\$0
122	2022-11-05-11	Delaware State University	Electrochemical Reductive Grafting of Gold-Aryl Films from Aryldiazonium Gold(III) Salts	\$570,428	\$0	\$0
123	2022-11-05-12	Delaware State University	Eliminating Senescent Glia as a Therapeutic Approach for Parkinson's Disease	\$1,606,502	\$0	\$0

124	2022-11-05-13	Delaware State University	Excellence in Research: Molecular Engineering for Advancing Organic Solar Cells (OSCs)	\$450,008	\$0	\$0
125	2022-11-05-14	Delaware State University	TiO2/Metal Oxide@Metal-Organic Framework (TiO2/MO@MOF) Composites: Solvent-Free Synthesis and Enhanced Photocatalytic Hydrogen Evolution	\$391,441	\$0	\$0
126	2022-11-05-15	Delaware State University	Increase the Supply of Trained Degree Recipients in the STEM Disciplines with Readiness for the Workforce - Phase II	\$100,000	\$0	\$0
127	2022-11-05-16	Delaware State University	Rebooting the Northeast Aquaculture Extension Network: A Skills Training and Mentorship Program for Extension Professionals	\$4,650	\$0	\$0
128	2022-11-05-17	Delaware State University	Assessing Exposure Pathways and Ecological Health Impacts of Per and Polyfluoroalkyl Substances in Shellfish	\$41,377	\$0	\$0

11/3/2022



**Delaware State Clearinghouse Committee  
December Agenda**

Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901  
December 20, 2022 @ 10:00am

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
<b>New Business*</b>									
1	<a href="#">5654</a>	Executive, Criminal Justice, Criminal Justice Council	Enhancing Juvenile Indigent Defense	\$400,000	\$0	\$0	0.17	0.00	0.00
2	<a href="#">5676</a>	Executive, Criminal Justice, Criminal Justice Council	Community Courts	\$600,000	\$200,000	\$0	0.16	0.69	0.00
3	<a href="#">5679</a>	Department of State, Division of Small Business, Delaware Economic Development Authority	State Small Business Credit Initiative - ARP COVID-19	\$60,973,103	\$0	\$607,901,840	0.00	0.00	0.00
4	<a href="#">5683</a>	Department of State, Division of Small Business, Delaware Economic Development Authority	State Small Business Credit Initiative Technical Assistance- ARP COVID-19	\$724,423	\$0	\$0	0.00	0.00	0.00
5	<a href="#">5688</a>	Department of Services for Children, Youth, and Their Families, Family Services, Intake/Investigation	Child Abuse Prevention and Treatment Act - ARP COVID-19	\$276,098	\$0	\$0	0.00	0.00	0.00
6	<a href="#">2022-10-26-01</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Parks and Recreation	Invasive Species Management	\$0	\$0	\$250,000	0.00	0.00	0.00
<b>Continued</b>									
1	<a href="#">5634</a>	Executive, Criminal Justice, Criminal Justice Council	Services Training Officers Prosecutors (STOP) Violence Against Women Act Formula Grant	\$918,986	\$148,462	\$100,579	2.48	1.01	0.00
2	<a href="#">5635</a>	Executive, Criminal Justice, Criminal Justice Council	Sexual Assault Services Program	\$544,185	\$0	\$0	0.20	0.00	0.00
3	<a href="#">5662</a>	Executive, Criminal Justice, Statistical Analysis Centers	State Justice Statistics Program for Statistical Analysis Centers	\$75,000	\$0	\$0	0.90	0.00	0.00
4	<a href="#">5678</a>	Executive, Criminal Justice, Criminal Justice Council	Postconviction Testing of DNA Evidence	\$550,000	\$0	\$0	0.10	0.00	0.00
5	<a href="#">5630</a>	Department of Health and Social Services, Public Health, Community Health	Advancing Retail Program Standards Conformance through Inspection Equipment	\$2,000	\$0	\$0	0.00	0.00	0.00
6	<a href="#">5670</a>	Department of Health and Social Services, Public Health, Community Health	Integrated HIV/AIDS - Prevention	\$1,471,943	\$0	\$0	3.50	0.00	0.00
7	<a href="#">5671</a>	Department of Health and Social Services, Public Health, Community Health	Integrated HIV/AIDS Core Surveillance	\$445,270	\$0	\$0	3.25	0.00	0.00
8	<a href="#">5673</a>	Department of Health and Social Services, Public Health, Community Health	Delaware Public Water System Supervision	\$588,000	\$388,593	\$0	7.50	5.90	0.00
9	<a href="#">5680</a>	Department of Health and Social Services, State Service Centers	Training & Technical Assistance Commission Investment	\$149,278	\$0	\$0	0.00	0.00	0.00
10	<a href="#">5601</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware's Aquatic Invasive Species Program	\$182,400	\$60,800	\$0	1.01	0.73	0.00
11	<a href="#">5684</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Survey of Sport Fish of Delaware Bay	\$358,284	\$119,389	\$0	0.20	0.14	0.00
12	<a href="#">5645</a>	Department of Labor, Employment Training, Employment and Training Services	Foreign Labor Certification	\$78,102	\$0	\$0	1.00	0.00	0.00
13	<a href="#">5690</a>	Department of Agriculture, Administration	Specialty Crop Block Grant	\$348,807	\$0	\$0	0.00	0.00	0.00
<b>Higher Education</b>									
1	5594	Delaware Technical Community College	Upward Bound	\$2,006,085	\$0	\$0			
2	2022-12-03-01	University of Delaware	NSFGEO-NERC: From Moving Atoms to Plate Boundary Formation	\$79,528	\$0	\$0			

3	2022-12-03-02	University of Delaware	Mediators and Moderators of Prenatal Environmental Exposures and Child Neurodevelopment: DNA Methylation, Prenatal Diet, and Cognitive Stimulation Study (MEND)	\$0	\$0	\$69,641
4	2022-12-03-03	University of Delaware	Natural Product Inspired Cancer Therapeutics	\$1,250,000	\$0	\$0
5	2022-12-03-04	University of Delaware	Collaborative Research: SCH: Learning Geo-Social Determinants to Reduce Cardiovascular Health Disparities	\$0	\$0	\$59,911
6	2022-12-03-05	University of Delaware	CY2023 NSF SHIP OPS Support	\$250,000	\$0	\$0
7	2022-12-03-06	University of Delaware	Roles and Interplay of the Multiple Processes Underlying Exploratory Sensorimotor Behavior	\$1,715,296	\$0	\$0
8	2022-12-03-08	University of Delaware	Collaborative Research: Understanding the Fluid Dynamics of Bio-Inspired Propulsion Through Fin Morphology	\$202,198	\$0	\$0
9	2022-12-03-09	University of Delaware	Harvard University 2023-24 Loeb Classical Library Foundation Fellowship	\$0	\$0	\$40,000
10	2022-12-03-10	University of Delaware	Mechanisms and Moderating Conditions for the Role of Media Use in Mild Cognitive Impairment Disparities	\$308,742	\$0	\$0
11	2022-12-03-11	University of Delaware	SCC-IRG Track 2: A Socially-Aware Autonomous Mobile Robot Navigation System for Last-Mile Deliveries on Sidewalks	\$0	\$0	\$195,700
12	2022-12-03-12	University of Delaware	GROW: A National Response to the Herbicide-Resistant Weed Epidemic	\$246,586	\$0	\$0
13	2022-12-03-13	University of Delaware	NCLIM-Northeast U.S. Climate Integrated Modeling Initiative to Meet Ocean Decision Challenges	\$0	\$0	\$57,846
14	2022-12-03-14	University of Delaware	Conference: Mid-Scale RI-EW: Discussing the Need for a Full-Scale Wave Flume (USA Flume) for National Research Priorities on Coastal Resilience and Adaptation	\$35,456	\$0	\$0
15	2022-12-03-15	University of Delaware	SCH: Automating Goal-Based and Just-in-Time Health Coaching with Personalized, Context-Aware Dialogue and Multi-Modal Data Sensing, Collection, and Analysis on Commercial Hardware	\$782,486	\$0	\$0
16	2022-12-03-16	University of Delaware	Delaware AT Champion	\$0	\$0	\$9,250
17	2022-12-03-17	University of Delaware	Climate Smart Extension Scholars of Coastal States with Climate Challenges and Disasters	\$0	\$0	\$991,261
18	2022-12-03-18	University of Delaware	Every Datapoint Counts: Atmosphere-Aided Flare Studies in the Rubin Era	\$175,032	\$0	\$0
19	2022-12-03-19	University of Delaware	Multifunctional Zero-Standby Power Sensing and Reconfigurable Photonic Integrated Circuits	\$521,953	\$0	\$0
20	2022-12-03-20	University of Delaware	Mechanistic Approaches to Aggregation Rates at High Concentrations	\$0	\$0	\$9,792
21	2022-12-03-21	University of Delaware	Semi-Analytic Determination of the Effective Permittivity of Composite Materials, with Applications to Image Processing and Optimal Design	\$214,681	\$0	\$0
22	2022-12-03-22	University of Delaware	JPMC PHD Program Faculty Fellows Support Funds	\$0	\$0	\$1,598,782
23	2022-12-03-23	University of Delaware	Partial Yr2 - Investigating Munitions Mobility at a Riverine Munitions Response Site (MRS) Using a Rapidly-Deployable Monitoring System	\$18,750	\$0	\$0
24	2022-12-03-24	University of Delaware	DISES: Future-Proofing Water Resources Through Land Management in Intensive Agricultural Systems	\$1,432,072	\$0	\$0
25	2022-12-03-25	University of Delaware	Collaborative Project: Optimized Frequency-Domain Analysis for Astronomical Time Series	\$440,230	\$0	\$0
26	2022-12-03-26	University of Delaware	The Inverse Backscattering Problem and the Inverse Fixed Angle Scattering Problem	\$82,727	\$0	\$0
27	2022-12-03-27	University of Delaware	Concentrated Solar-Powered Carbon Membrane Reactor for Decarbonized Propylene and Hydrogen Production	\$1,745,909	\$0	\$0
28	2022-12-03-28	University of Delaware	Collaborative Research: CPS: Medium: Physics-Model-Based Neural Networks Redesign for CPS Learning and Control	\$0	\$0	\$131,398

29	2022-12-03-29	University of Delaware	Collaborative Proposal: Development and Analysis of a Rain-on-Snow Precipitation Event Database: Improved Understanding of Global Forcings Through Synoptic Weather Typing	\$56,372	\$0	\$0
30	2022-12-03-30	University of Delaware	DSFAS-CIN: PhenoGAMs: Containerized Generalized Additive Phenology Models for Entomology Extension	\$816,691	\$0	\$0
31	2022-12-03-31	University of Delaware	Perceptions of Psychedelic Drugs in a Diverse Sample of Adults	\$0	\$0	\$3,000
32	2022-12-03-32	University of Delaware	Hamiltonian Formalism in Wave Turbulence Problems	\$208,660	\$0	\$0
33	2022-12-03-33	University of Delaware	School Choice Policy Research Center: A National Research Partnership to Improve School Choice for Disadvantaged Students	\$0	\$0	\$213,683
34	2022-12-03-34	University of Delaware	Autonomous Platform for Remote Use of Colorimetric Chemical Sensors	\$0	\$0	\$6,250
35	2022-12-03-35	University of Delaware	Identifying and Culturing Slug Parasitic Nematodes in Maryland	\$0	\$0	\$10,808
36	2022-12-03-36	University of Delaware	Broiler Chicken Health Challenge Trials	\$0	\$0	\$34,400
37	2022-12-03-37	University of Delaware	Elementary Teachers Learning to Leverage Students' Out-of-School Mathematical Context	\$0	\$0	\$49,413
38	2022-12-03-38	University of Delaware	NSF-BSF: Development of High-Precision Atomic Methods & Dark Matter Searches	\$257,470	\$0	\$0
39	2022-12-03-39	University of Delaware	Semantic Aware State Estimation on Monocular AR Devices	\$0	\$0	\$105,628
40	2022-12-03-40	University of Delaware	Stockman Family Foundation Grant Program	\$0	\$0	\$250,000
41	2022-12-03-41	University of Delaware	SHARK - Aquatic Soft Robotic STEM Education Kit	\$0	\$0	\$418,000
42	2022-12-03-42	University of Delaware	Toward Mitigating Software Supply Chain Attacks	\$0	\$0	\$60,000
43	2022-12-03-43	University of Delaware	Bone Metastasis Initiation from CcRCC (Clear Cell Renal Cell Carcinoma) Interactions in the Bone Microenvironment	\$0	\$0	\$199,997
44	2022-12-03-44	University of Delaware	Sea Grant Fundamentals 2: Providing Mid-Atlantic Sea Grant Professionals with Additional Learning and Networking	\$9,032	\$0	\$0
45	2022-12-03-45	University of Delaware	CRCNS US-French Research Proposal: Integrated Neuroimaging and Optimization Framework for Studying the Neural Control of Force, Impedance, and Feedback Responses	\$760,001	\$0	\$0
46	2022-12-03-46	University of Delaware	HHS DATI FY2023 Delaware Assistive Technology Initiative	\$412,204	\$0	\$0
47	2022-12-03-47	University of Delaware	Building a Community of Intellectual Humility and Discourse in Higher Education	\$0	\$0	\$265,949
48	2022-12-03-48	University of Delaware	A-006: Development of Characterization Techniques to Determine Key Composite Material Properties for the LS-DYNA Composite Damage Model MAT213	\$65,255	\$0	\$0
49	2022-12-03-49	University of Delaware	Elucidating the Mechanisms and Effects of Resistance to Cell Death Under Anchorage Independence to Control Metastasis	\$0	\$0	\$149,980
50	2022-12-03-50	University of Delaware	Easter Seals Delaware and Maryland's Eastern Shore PADE 22/23 Partner Organization	\$0	\$0	\$24,000
51	2022-12-03-51	University of Delaware	Continued Support for ASLO Communication Workshops in Spain	\$23,081	\$0	\$0
52	2022-12-03-52	University of Delaware	Westside Family Healthcare Inc PADE 22/23 Partner Organization	\$0	\$0	\$189,000
53	2022-12-03-53	University of Delaware	Utilizing Unactivated Alkyl Amines in Cross-Electrophile Coupling Reactions	\$50,635	\$0	\$0
54	2022-12-03-54	University of Delaware	Solid-Phase and Chemoenzymatic Synthesis of Mature Peptidoglycan for Innate Immune Signaling	\$101,156	\$0	\$0

55	2022-12-03-55	University of Delaware	Christiana Care Health Services 2 PADE 22/23 Partner Organization	\$0	\$0	\$21,500
56	2022-12-03-56	University of Delaware	Be Ready CDC PADE 22/23 Partner Organization	\$0	\$0	\$18,000
57	2022-12-03-57	University of Delaware	Building Capacity for PCOR about COVID-19 Vaccination in the Long Term Care Workforce	\$0	\$0	\$21,429
58	2022-12-03-58	University of Delaware	Community Comms: A Suite of Online News Media Literacy Interventions	\$0	\$0	\$95,238
59	2022-12-03-59	University of Delaware	Post-School Pathways for Youth on the Autism Spectrum	\$0	\$0	\$49,990
60	2022-12-03-60	University of Delaware	United Way of Delaware PADE 22/23 Partner Organization	\$0	\$0	\$77,500
61	2022-12-03-61	University of Delaware	Cornerstone West CDC 2 PADE 22/23 Partner Organization	\$0	\$0	\$24,000
62	2022-12-03-62	University of Delaware	Jefferson Street Center Inc PADE 22/23 Partner Organization	\$0	\$0	\$13,500
63	2022-12-03-63	University of Delaware	Wilmington Sudbury School Inc PADE 22/23 Partner Organization	\$0	\$0	\$13,500
64	2022-12-03-64	University of Delaware	Delaware Nature Society PADE 22/23 Partner Organization	\$0	\$0	\$19,500
65	2022-12-03-65	University of Delaware	Community Collaboration PADE 22/23 Partner Organization	\$0	\$0	\$17,250
66	2022-12-03-66	University of Delaware	SOAR PADE 22/23 Partner Organization	\$0	\$0	\$19,000
67	2022-12-03-67	University of Delaware	Interfaith Power and Light PADE 22/23 Partner Organization	\$0	\$0	\$16,500
68	2022-12-03-68	University of Delaware	Habitat for Humanity PADE 22/23 Partner Organization	\$0	\$0	\$41,000
69	2022-12-03-69	University of Delaware	Mental Health Association in Delaware 1 PADE 22/23 Partner Organization	\$0	\$0	\$16,500
70	2022-12-03-70	University of Delaware	Mental Health Association in Delaware 2 PADE 22/23 Partner Organization	\$0	\$0	\$16,500
71	2022-12-03-71	University of Delaware	Delaware Humanities Forum PADE 22/23 Partner Organization	\$0	\$0	\$21,000
72	2022-12-03-72	University of Delaware	Identifying and Culturing Slug Parasitic Nematodes in Delaware	\$0	\$0	\$7,884
73	2022-12-03-73	University of Delaware	Predicting Sleep, Smoking and Lung Health Disparities in at-Risk Black African American Adults	\$0	\$0	\$70,410
74	2022-12-03-74	University of Delaware	Metabolic Risk Factors and Treatment Outcomes in Achilles Tendinopathy	\$100,529	\$0	\$0
75	2022-12-03-75	University of Delaware	Examining the Role of Central Sensitization with Aging: An Investigation of Older Adults with and Without Chronic Low Back Pain	\$137,310	\$0	\$0
76	2022-12-03-76	University of Delaware	Collaborative Research: Hydrogeophysical Monitoring and Modeling of Heterogeneity in Salinization Processes Across the Marsh-Upland Transition	\$222,819	\$0	\$0
77	2022-12-03-77	University of Delaware	Hy-Sar: Hydrogen-Enabled Source-Agnostic Resilient North American Grid Consortium	\$0	\$0	\$625,755
78	2022-12-03-78	University of Delaware	NCCVT SD 2022 Seminars for Delaware Teachers Institute for FY23	\$0	\$0	\$6,250
79	2022-12-03-79	University of Delaware	Coordination and Dissemination of Technical Assistance to Support Rural Communities, Region 3	\$0	\$0	\$139,000
80	2022-12-03-80	University of Delaware	Soybean Row Spacing and Planting Rate Effects on Litter Decomposition	\$0	\$0	\$7,743

81	2022-12-03-81	University of Delaware	Soil pH and Planting Timing Effects on Yield	\$0	\$0	\$6,356
82	2022-12-03-82	University of Delaware	Irrigation and Starter Potassium Effects on Uptake and Yield	\$0	\$0	\$5,556
83	2022-12-03-83	University of Delaware	3D Divergence-Free Finite Elements and Bubble Enriched Finite Elements	\$90,303	\$0	\$0
84	2022-12-03-84	University of Delaware	Inverse Problems for Dispersive Poroelastic Materials with a Kernel Learning Approach	\$186,704	\$0	\$0
85	2022-12-03-85	University of Delaware	Engaging Suburban and Rural Schools in Improvement for Equity	\$0	\$0	\$50,741
86	2022-12-03-86	University of Delaware	Simple Tools for Better Family Sleep: A Community-Engaged Sleep Intervention	\$0	\$0	\$500,000
87	2022-12-03-87	University of Delaware	Sex Differences in Central Neural Activation During Acute Hypnatremia	\$149,945	\$0	\$0
88	2022-12-03-88	University of Delaware	Rate Scaling and Motor Segmentation: Objective Measures of Parkinson's Disease	\$99,392	\$0	\$0
89	2022-12-03-89	University of Delaware	Optimizing Educator Engagement in Actions Against Racism	\$0	\$0	\$12,384
90	2022-12-03-90	University of Delaware	SST Anchors 2	\$0	\$0	\$10,725
91	2022-12-03-91	University of Delaware	Collaborative Research: Multiscale Structure Discovery in Dynamic Networks	\$99,338	\$0	\$0
92	2022-12-03-92	University of Delaware	Collaborative Research: WoU-MMA: Ultrahigh Energy Neutrinos with the Radio Neutrino Observatory in Greenland	\$223,769	\$0	\$0
93	2022-12-03-93	University of Delaware	WoU-MMA: Exploring the Extreme Universe with VERITAS and CTA	\$593,759	\$0	\$0
94	2022-12-03-94	University of Delaware	Integrated Carbon-Neutral Methanol Production from Direct Air Capture and Carbon-Free Hydrogen	\$309,006	\$0	\$0
95	2022-12-03-95	University of Delaware	Identifying and Culturing Slug Parasitic Nematodes in Maryland	\$0	\$0	\$8,106
96	2022-12-03-96	University of Delaware	Enhancement of Working Memory Using Endogenous Hippocampal-Prefrontal Theta Synchrony	\$1,250,000	\$0	\$0
97	2022-12-03-97	University of Delaware	Central Networks, Peripheral Factors, and Individual Vulnerability to Postpartum Mood Disorder	\$1,959,769	\$0	\$0
98	2022-12-03-98	University of Delaware	Factors Impacting Activity Assessment for Adults with an Intellectual Disability	\$0	\$0	\$2,000
99	2022-12-03-99	University of Delaware	Novel Methods for Non Destructive Testing Using Electromagnetic Waves	\$0	\$0	\$151,919
100	2022-12-04-01	University of Delaware	Collaborative Research: CPS: Medium: Lossless Workflow and Tools for Additive Manufacturing of Freeform Composite Parts	\$240,582	\$0	\$0
101	2022-12-04-02	University of Delaware	Public Allies FY23/24 National Support	\$0	\$0	\$589,941
102	2022-12-04-03	University of Delaware	Development of a Socially Responsible Grade Crossing Safety Model Considering Engineering and Socio-Economic Parameters	\$734,087	\$0	\$0
103	2022-12-04-04	University of Delaware	Philanthropy Delaware PADE 22/23 Partner Organization	\$0	\$0	\$18,500
104	2022-12-04-05	University of Delaware	Immigration, Inequality and the Welfare State	\$0	\$0	\$70,905
105	2022-12-04-06	University of Delaware	Collections AID	\$0	\$0	\$4,998
106	2018-05-05-08 Amendment	Delaware State University	Delaware INBRE IV/DSU	\$470,000	\$0	\$0

107	2018-10-13-03 Amendment	Delaware State University	Analysis of Specific Spoilage Organisms and other Bacteria Isolated from Food and Agriculture Products	\$200,000	\$0	\$0
108	2022-12-10-01	Delaware State University	Child and Adult Care Food Program (CACFP) FY23	\$44,011	\$0	\$0
109	2022-12-10-02	Delaware State University	Transforming NextGen Education and Workforce Development Through Sustainable Practices in FANH Driven by Data Science	\$4,254,773	\$0	\$0
110	2022-12-10-03	Delaware State University	DSU Expanded Food and Nutrition Education Program (EFNEP)	\$188,130	\$0	\$0
111	2022-12-10-04	Delaware State University	P- and N-Dopable Electrode for Electroactive Polymer Supercapacitors	\$20,954	\$0	\$0
112	2022-12-10-05	Delaware State University	Creating Pathways to Success Through Ag-STEM Education - Developing the Next Generation of Ag-Workforce	\$63,259	\$0	\$0
113	2022-12-10-06	Delaware State University	A Thematic Approach to General Education and the Humanities	\$60,000	\$0	\$0

12/5/2022