

ATE Projects Matrix

This table provides a reference guide to some of the focus areas of ATE projects. ATE projects selected the focus areas below where their work accounts for 25% or more of their total grant efforts.

Project Focus	Page Number	Grant Number	Project Name	Lead Institution	State	Student Recruitment/Retention	Underserved Populations	Professional Skills Development	Internships/Field Experiences		Faculty Development		Research	Program Improvement	National Materials Development	Articulation	
									Students	Faculty	K-12	College Faculty				High School	Four-Year
Pathways to Technology	14	0603367	Advanced Manufacturing: Establishing Foundations for Education and Career Pathways from Middle School Through College	Pennsylvania State System of Higher Education	PA	•	•				•						
Pathways to Technology	15	0501731	Close the Gap	Riverside Community College District	CA	•	•	•					•				
Pathways to Technology	16	0302913	Digital Bridge Academy	Cabrillo College	CA	•	•				•				•		
Pathways to Technology	17	0202247	Gateway to Manufacturing Excellence Project	St. Louis Community College at Florissant Valley	MO	•	•				•		•				
Pathways to Technology	18	0603465	Integrated Learning Systems: A Model Approach	Western Colorado Community College	CO			•			•	•	•	•			
Pathways to Technology	19	0603404	Project TLC (Technology Learning Community)	Three Rivers Community College	CT	•											
Pathways to Technology	20	0501971	Proven Practices for Recruiting Women to STEM Careers in ATE-Funded Programs	Edmonds Community College	WA								•				
Pathways to Technology	21	0603427	Robotics Corridor Collaborative	Cuyahoga Community College, Metropolitan Campus	OH		•				•			•	•		
Pathways to Technology	22	0202263	Technical Education Pathways Project (TEPP)	Red Rocks Community College	CO	•	•	•			•	•					
Agricultural Technology, Marine Technology & Natural Resources	24	0202415	Agriculture Consortium for Comprehensive Educational Support and Service (Project ACCESS)	Murray State University	KY	•								•		•	•
Agricultural Technology, Marine Technology & Natural Resources	25	0202141	Aquarium Technology and Marine Interpretation	Oregon Coast Community College	OR			•									
Agricultural Technology, Marine Technology & Natural Resources	26	0603248	Partnership for Advanced Marine and Environmental Science Training for Pacific Islanders	University of Hawaii at Manoa	HI	•	•		•		•						
Agricultural Technology, Marine Technology & Natural Resources	27	0402695	Tropical Forest Ecosystem and Agroforestry Management (Forest TEAM)	University of Hawaii, Hawaii Community College	HI		•	•	•								
Agricultural Technology, Marine Technology & Natural Resources	28	0302927	Viticulture and Enology Science and Technology Alliance (VESTA)	Missouri State University-West Plains	MO	•		•			•			•			
Biotechnology	30	0402453	Biotechnology Education and Training Sequence Investment (BETSI)	Southwestern College	CA	•	•	•	•	•							
Biotechnology	31	0603496	Biotechnology Education Infusion (BEI) Project	Spokane Community College	WA	•		•	•	•	•	•					
Biotechnology	32	0603313	Curricular and Professional Development Activities to Support an Associate Degree in Biotechnology Operations	University of Puerto Rico at Arecibo	PR		•				•	•			•		
Biotechnology	33	0603415	DC Biotech	Carnegie Institution of Washington	DC				•	•		•			•	•	
Biotechnology	34	0501520	Intensive Postbaccalaureate Program in Biotechnology: A Bridge to the Biotechnology Workplace	Madison Area Technical College	WI	•		•						•	•		
Biotechnology	35	0501883	International Food Science Academy of Minneapolis	Minneapolis Public Schools	MN		•							•		•	•
Biotechnology	36	0502003	Learning Alliance for Bioscience (LAB)	Ohlone College	CA	•	•				•						
Biotechnology	37	0402553	Molecular Literacy (Molit)	Concord Consortium	MA			•			•	•	•	•			
Biotechnology	38	0402113	Partnership for Plant Geonomics Education (PPGE)	University of California, Davis	CA		•		•		•				•		
Biotechnology	39	0501912	Quality Matters: Advancing the Biotechnology Program at Raritan Valley Community College	Raritan Valley Community College	NJ	•					•			•			
Biotechnology	40	0603356	Robeson Regional Biotech Education Consortium (RRBEC)	Robeson Community College	NC	•		•	•		•	•					
Biotechnology	41	0402497	SLCC Contract Research Organization for Biotechnology	Salt Lake Community College	UT			•	•					•			

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Chemical & Process Technology	44	0202386	Bronx Community College Pharmaceutical Manufacturing Technology Program	Bronx Community College	NY		•	•	•	•	•							
Chemical & Process Technology	45	0202314	Contextual Laboratory Curriculum for Chemistry and Technology (C ₃ T)	Athens Technical Institute	GA				•			•		•	•			
Chemical & Process Technology	46	0402167	Gulf Coast—Technology Articulation Partnership (GC-TAP)	Houston Community College-Northeast	TX		•	•				•	•					•
Energy Technology	48	0603478	Arizona—Texas Consortium for Alternative and Renewable Energy Technologies (ATCARET)	Arizona State University, Polytechnic Campus	AZ									•	•			
Energy Technology	49	0202366	Electrical Transmission Systems Technology Program (ETST)	Bismarck State College	ND		•							•				
Energy Technology	50	0501498	Energy Services and Technology (EST) Program	Bronx Community College	NY			•						•				
Energy Technology	51	0402696	Environmental Control Technology (ECT) Education for Advanced Building Operation and Management	Laney College	CA			•	•				•	•				
Energy Technology	52	0402207	Online Degree Program: Nuclear Power Technology	Bismarck State College	ND									•				
Energy Technology	53	0401829	Priming the Pipeline	Central Virginia Community College	VA				•	•	•	•						
Energy Technology	54	0401745	Southeastern Massachusetts ATE Project in Renewable Energy Education and Training	Cape Cod Community College	MA				•	•		•		•				
Engineering Technology	56	0401620	A National Model for Integrated Partnerships in Engineering Technology	Edison State Community College	OH		•	•										•
Engineering Technology	57	0501546	Development of a Hybrid Electric Vehicle Learning Environment	Macomb Community College	MI							•	•		•		•	•
Engineering Technology	58	0302801	DiET: Diversity in Engineering Technology	University of North Carolina at Charlotte	NC		•	•										
Engineering Technology	59	0501885	Embedding CQI Methodology in Two-Year College Technical Curricula	Illinois Valley Community College	IL		•		•					•				
Engineering Technology	60	0402616	Engineering Technology Pathways (ETP)	Bismarck Public Schools	ND		•					•				•		
Engineering Technology	61	0302780	Integrating Asynchronous Technology and Virtual Reality to Support Education in Aircraft Maintenance Technology	Greenville Technical College	SC				•				•	•	•			
Engineering Technology	62	0602593	Medical Device Industry Education Consortium (MDIEC)	St. Petersburg College	FL				•							•		
Engineering Technology	63	0302641	Model Curriculum For Civil Engineering Technology	Evergreen Valley College	CA				•			•		•	•			
Engineering Technology	64	0501158	National Center for Aircraft Technician Training (NCATT)	Tarrant County College	TX				•				•	•	•			
Engineering Technology	65	0302528	PHOTON2	New England Board of Higher Education	MA							•	•		•	•		
Engineering Technology	66	0402332	Remote Laboratories and Distance Learning for Technician Training	Queensborough Community College	NY							•	•		•			
Engineering Technology	67	0603175	Technician Education Materials in Plasma Technology	Normandale Community College	MN							•		•	•			
Engineering Technology	68	0202383	Virginia Advanced Technology Education Demonstration Project	Tidewater Community College	VA												•	

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Geographic Information Systems & Geospatial Technology	70	0401990	A Scalable Skills Certification Program in Geographic Information Systems	San Diego Mesa College	CA	•		•						•		•	•
Geographic Information Systems & Geospatial Technology	71	0402435	Geographic Information System Technology Implementation Project (GIS-TECH)	Del Mar College	TX	•		•			•				•		
Geographic Information Systems & Geospatial Technology	72	0500708	Integrating GIS in Technologies Curricula	Mountain Empire Community College	VA									•			
Geographic Information Systems & Geospatial Technology	73	0603492	Mapping, Analyzing, and Problem Solving Using Geographic Information Science (MAPS GIS): Implementing a GIS Curriculum for Technical Literacy	Lane Community College	OR	•		•									•
Geographic Information Systems & Geospatial Technology	74	0602751	The Finger Lakes GIT Ahead Project: Creating Career Paths for Geospatial Technology Professionals Through Teacher Enhancement and Student Engagement (GIT Ahead)	Hobart and William Smith Colleges	NY		•	•			•			•			
Information Assurance, Secure Logistics & Forensics Technology	76	0402635	ATE Partnership in Cybersecurity and Information Assurance	Borough of Manhattan Community College	NY	•						•				•	•
Information Assurance, Secure Logistics & Forensics Technology	77	0402447	Collaborative Learning Environment (CLE) for Secure Logistics	University of North Carolina at Chapel Hill	NC			•							•		•
Information Assurance, Secure Logistics & Forensics Technology	78	0201873	Computer Security and Data Assurance Associate Degree Program	Norwalk Community College	CT					•		•		•		•	•
Information Assurance, Secure Logistics & Forensics Technology	79	0603330	Creation of Instructional Program in Secure Logistics Project	Tacoma Community College	WA			•									
Information Assurance, Secure Logistics & Forensics Technology	80	0302734	Cyber Security and Computer Forensics	Del Mar College	TX	•	•	•						•			
Information Assurance, Secure Logistics & Forensics Technology	81	0402388	Information Systems Security (ISS) Curriculum Development	Erie Community College	NY						•	•		•		•	•
Information Assurance, Secure Logistics & Forensics Technology	82	0501722	Investigative Sciences and Law Enforcement Technologies (ISLET)	Century College	MN				•			•		•			
Information Assurance, Secure Logistics & Forensics Technology	83	0302885	Terrorist Agent Control Technology (TACT)	Kirkwood Community College	IA										•		

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Information Technology	86	0202276	Advancing Careers in Information Science and Technology	Radford University	VA	•	•				•						•
Information Technology	87	0501932	C-SPIRIT: Coastline-Seamless Articulation Program for Informatics Recruitment and Intersegmental Transfer	Coastline Community College	CA	•					•					•	•
Information Technology	88	0602761	Deaf Initiative in Information Technology (DIIT) and Deaf Initiative in Information Technology II (DIIT II)	Rochester Institute of Technology	NY		•	•			•						
Information Technology	89	0602801	Digital Interactive Entertainment and Simulation Technology	Wake Technical Community College	NC			•			•	•			•		
Information Technology	90	0501487	Expanding Pathways for Educational Development and Information Technology Experiences (ExPEDITE)	West Virginia High Technology Consortium Foundation	WV				•	•			•			•	•
Information Technology	91	0302845	Grace Hopper Scholars Program (GHSP) in Math and Computer Science	Community College of Baltimore County	MD	•	•										
Information Technology	92	0501703	Institute for Convergence of Optical and Network Systems (ICONS)	City College of San Francisco	CA			•					•				
Information Technology	93	0302832	Integrating Low-Cost Virtual Reality into Design and Technical Graphics Curricula	Iowa State University	IA			•				•					
Information Technology	94	0402649	Linking Academic Information Technology (IT) to Workplaces in Rural Idaho	College of Southern Idaho	ID		•	•		•	•	•					
Information Technology	95	0402238	SPRITE	Edmonds Community College	WA	•	•			•					•		
Information Technology	96	0501876	Technology Academies of Northeast Nebraska (TANN)	Northeast Community College	NE								•				
Information Technology	97	0202397	The Case Files	Nashville State Community College	TN			•		•	•		•	•	•		
Manufacturing Technology	100	0603327	Automotive Manufacturing Technical Education Collaborative (AMTEC)	Kentucky Community and Technical College System	KY			•	•		•		•				
Manufacturing Technology	101	0202330	Collaborative Industry/Community College System ATE Professional Development Project	Connecticut Business and Industry Association	CT			•	•	•	•						
Manufacturing Technology	102	0302792	Collaborative Project for the Preparation of the 21st Century Welding and Materials Joining Technician	Lorain County Community College	OH			•		•	•				•		
Manufacturing Technology	103	0402023	Faculty Seminar Series on Collaborative Design Communications and Rapid Prototyping	Sinclair Community College	OH			•			•	•	•				
Manufacturing Technology	104	0402612	Instrumentation and Data Acquisition Education	Bradley University	IL			•									
Manufacturing Technology	105	0202248	Manufacturing Technology Program for North Central Alabama	Jefferson State Community College	AL			•					•				
Manufacturing Technology	106	0501571	Microelectromechanical Systems (MEMS), Nanotechnology, and the <i>Silicon Run Series, Silicon Run Implantation Video</i>	Film Arts Foundation	CA										•		
Manufacturing Technology	107	0603362	Midwest Coalition for Comprehensive Design Education	Purdue University	IN			•		•	•		•		•		
Manufacturing Technology	108	0501527	Rapid Prototyping Instructional Delivery Support	Saddleback College	CA			•		•	•						
Manufacturing Technology	109	0302523	Work-Ready Electronics	Maricopa County Community College District	AZ										•		