

UNIVERSITY OF MASSACHUSETTS  
DARTMOUTH

Annual  
Report of  
Proposals  
and  
Awards

2012

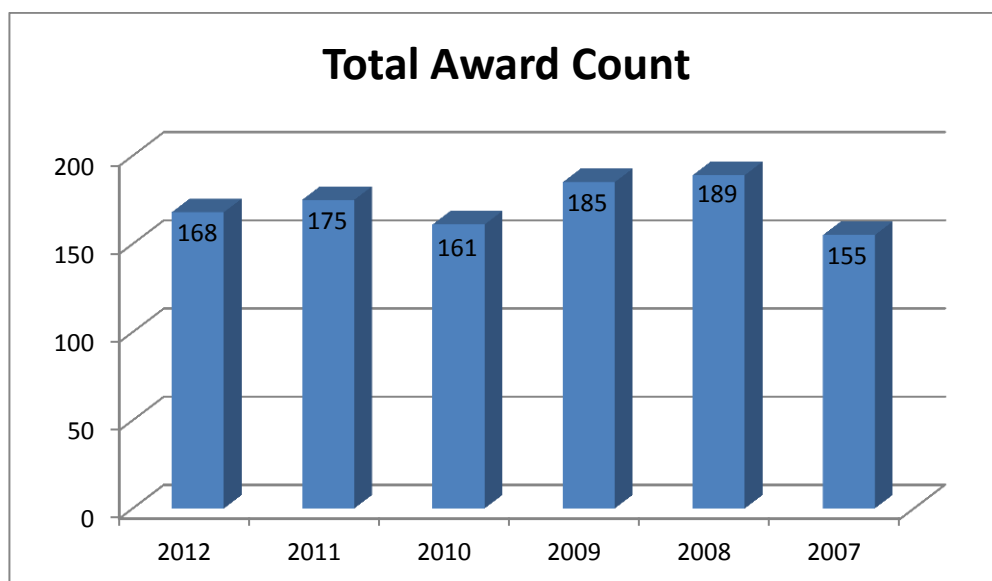
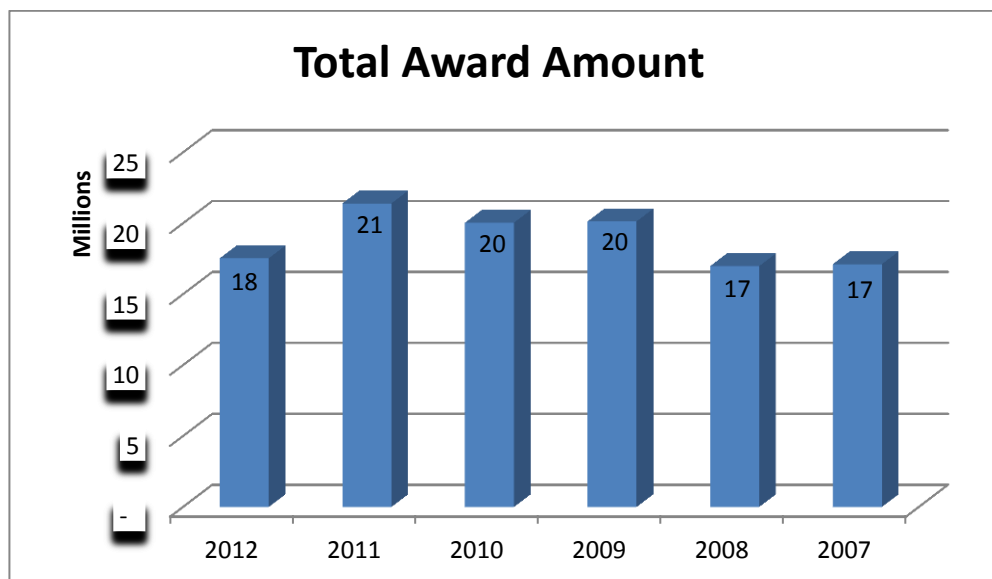
---

Summary of Sponsored Project Activity July 1, 2011 – June 30, 2012

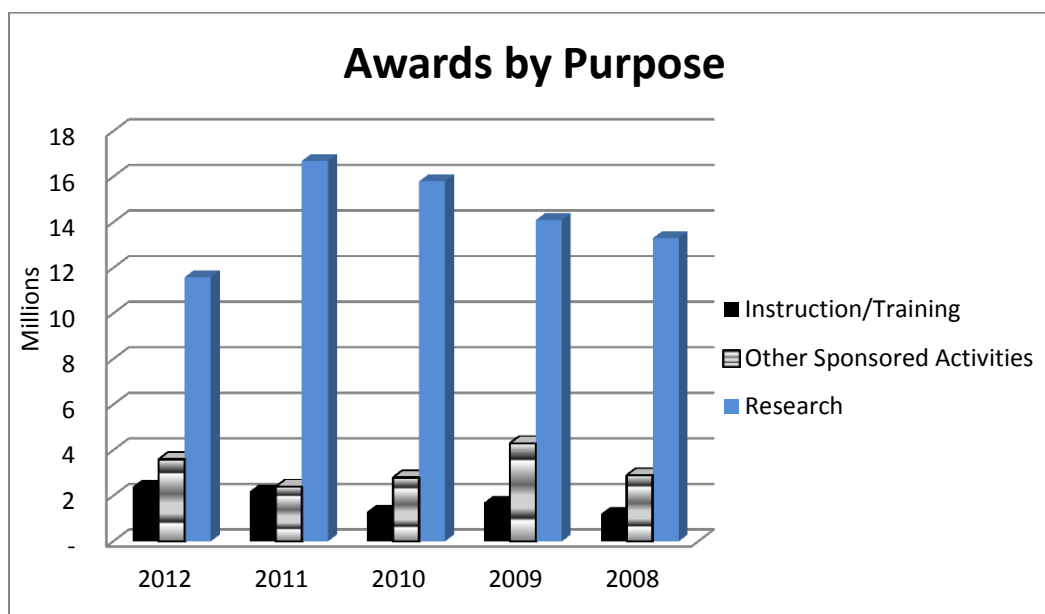
Office of  
Research  
Administration

## Summary Fiscal Year 2012 Proposal and Award Activity

Awards levels decreased from FY 11 to FY 12 by 18%. External funding in the form of new or continuing grants and contracts received by the University of Massachusetts Dartmouth was received in the amount of \$ 17,504,995 during fiscal year 2012 compared to \$21,396,837 in FY11. These awards include Research, Training and Other Sponsored Activities. The following charts show the comparison of award amounts and numbers for fiscal years 2007 through 2012. The total number of awards was 168 compared to 175 in FY11.

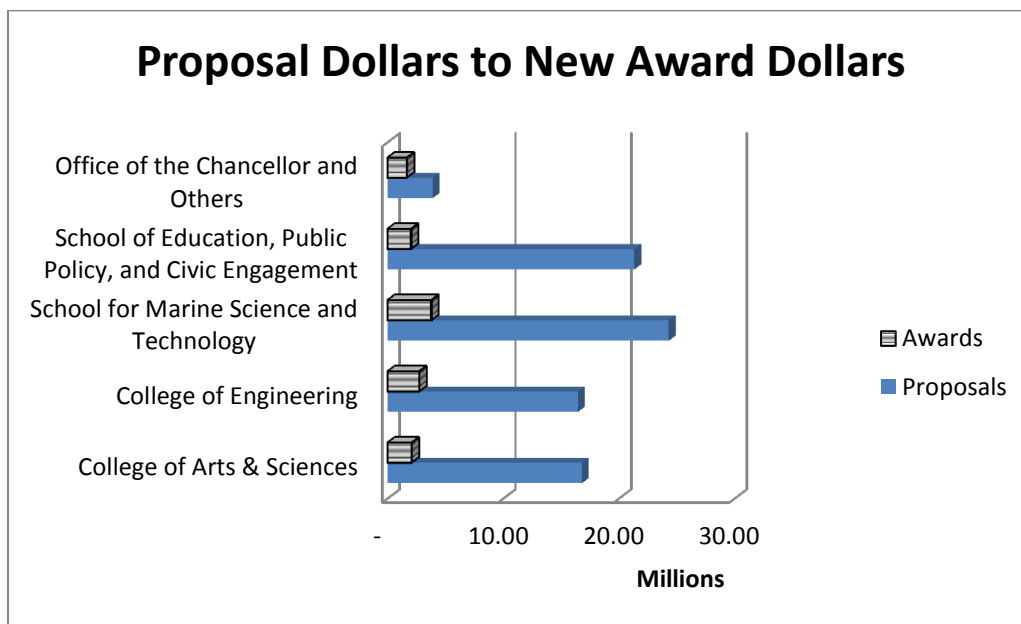
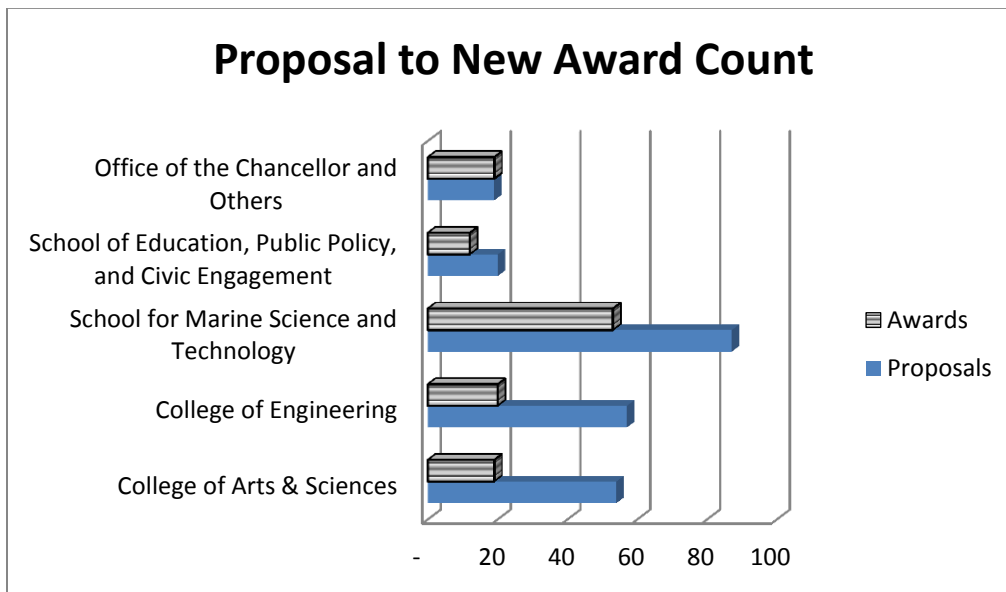


The majority of awards received were for research purposes, these awards totaled more than \$11.6 million in FY 12, 66% of the total compared to \$16.7 million in FY11, \$15.8 million in FY10, \$14.1 million in FY 09 and \$13.3 million in FY 08. Public Service and Other Sponsored awards were 20% of the total at \$3.6 million compared to \$2.4 million in FY11, \$2.8 million in FY10, \$4.3 million in FY 09 and \$2.9 million in FY 08 and the remaining 14% of awards totaling \$2.4 million were for instruction and training purposes compared to \$2.2 million in FY11, \$1.3 million in FY10, \$1.7 million in FY 09 and \$1.2 million in FY 08.



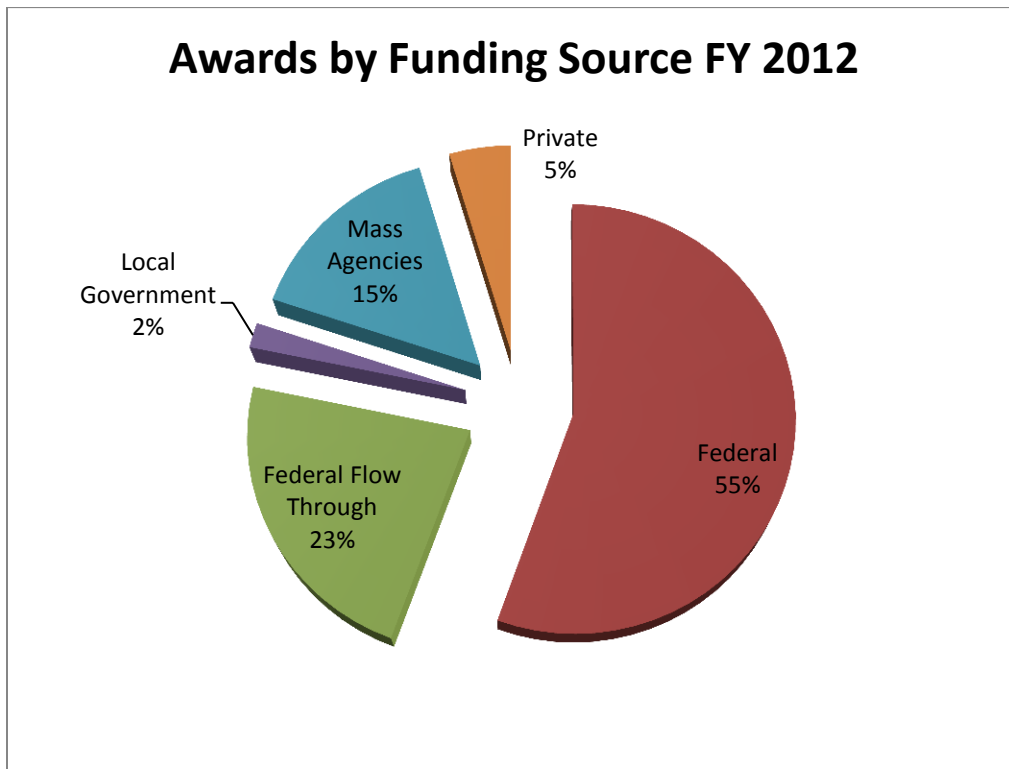
## Proposals to Awards Comparisons Fiscal Year 2012

In fiscal year 2012, 100 faculty and project directors submitted 237 proposals requesting \$83 million in funding compared to 108 faculty and project directors submitting 252 proposals requesting \$83 million in funding in FY 2011. The average proposal value requested was \$349,015 compared to \$331,000 in FY 2011. Of the funding received in FY 2012, 123 were new awards totaling \$12.3 million. The following page includes graphs of both the number and value of proposals submitted compared to new awards received.



## Awards by Funding Source

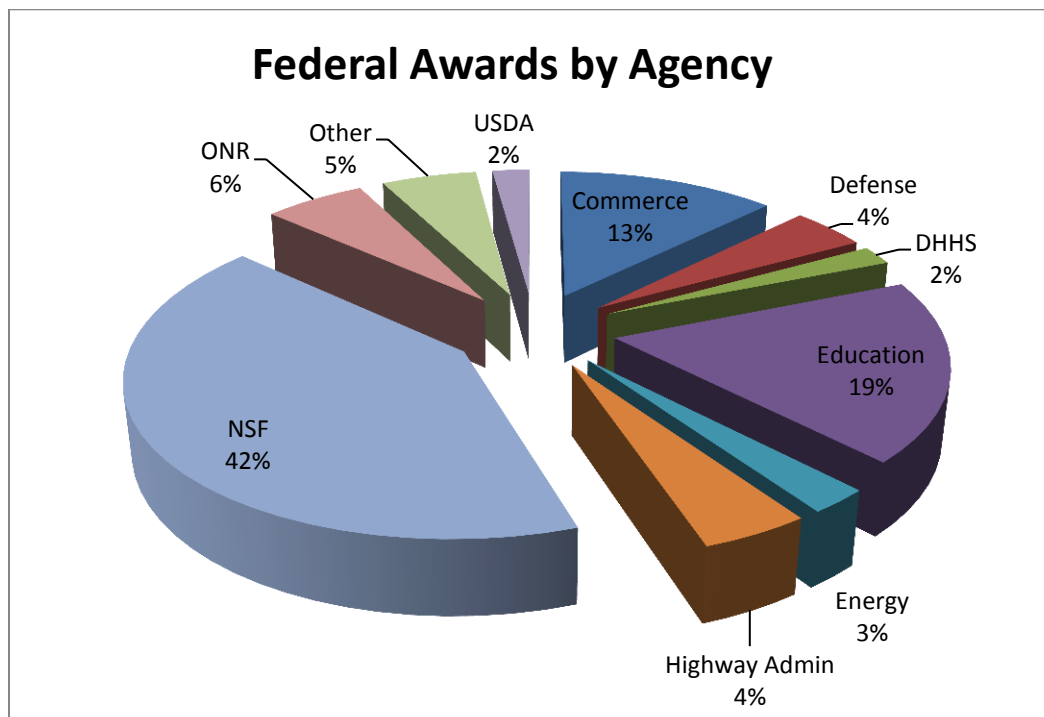
Federal funding received directly from federal agencies and as flow through from nonfederal sources represented 78% of total award dollars. Commonwealth of Massachusetts agencies and local governments provided 16% of total funding, Industry nonprofit and other organizations totaled 5%.



## Awards by Funding Source Fiscal Year 2012

Federal	9,729,636
Federal Flow Through	3,982,308
Local Government	329,598
Mass Agencies	2,657,105
Private	806,347
Grand Total	17,504,995

There was a total of \$13 million in funding provided by the federal government either directly or as a subrecipient by UMD during FY 2012. The National Science Foundation provided the most federal funding, \$5.7 million (*up from \$1.8m in FY11*). The Department of Education provided \$2.6 million. The Department of Commerce including NOAA dropped to \$1.7 million (*due to a decrease in NOAA appropriations to the Department of Fisheries Oceanography*). The Office of Naval Research provided \$800,000. The Department of Defense and the Highway Administration each provided \$600,000. The remaining was provided by various federal agencies including the Dept of Energy, USDA, DHHS, NASA, HUD, National Fish and Wildlife Foundation, National Endowment for the Humanities, Department of Justice and Department of Labor.



**Awards by Federal Agency Fiscal Year 2012**

<u>Federal Agency</u>	<u>Amount</u>
Commerce	1,736,889
Defense	600,786
DHHS	269,987
Education	2,563,675
Energy	349,998
Highway Admin	622,155
NSF	5,718,440
ONR	801,112
Other	755,192
USDA	293,710
<b>Grand Total</b>	<b>13,711,944</b>

The following pages present tables of awards by Executive Unit, Department and Principal Investigator.

**University of Massachusetts Dartmouth  
Research and Other Sponsored Awards  
Comparison Report of Awards by College  
FY 2012 through FY 2010**

Unit	2012		2011		2010	
	Number	Amount	Number	Amount	Number	Amount
College of Arts & Sciences	31	2,702,432	38	2,799,262	36	3,688,330
College of Engineering	32	4,185,434	33	4,225,582	36	2,893,207
College of Nursing	6	514,282	3	296,384	5	401,630
College of Visual and Performing Arts	0	-	0	-	1	9,690
School for Marine Science & Technology	64	4,525,363	69	9,026,551	61	8,094,983
School of Education, Public Policy and Civic Engagement	17	3,374,330	17	2,722,811	12	2,636,912
Chancellor's Office	6	931,885	8	1,818,143	39	1,387,948
Library	0	-	0	-	2	417,147
Professional & Continuing Education	3	56,000	2	46,000	0	-
Academic Affairs	7	1,201,439	5	462,103	3	504,707
Student Affairs	1	3,000	0	-	1	7,500
<b>Grand Total</b>	<b>168</b>	<b>17,504,995</b>	<b>175</b>	<b>21,396,836</b>	<b>196</b>	<b>20,042,054</b>



**University of Massachusetts Dartmouth**  
**External Research and Other Sponsored Awards**  
**By College and Department**  
**FY2012 and 2011**

<b><u>Unit/ Department</u></b>	<b><u>2012</u></b>	<b><u>2011</u></b>
<b>Academic Affairs</b>		
Academic Resource Center	390,995	403,504
Provost Office	21,850	31,145
Southcoast Compeer	3,000	7,500
Student Affairs	-	-
Upward Bound Department	788,594	19,954
<b>Academic Affairs Total</b>	<b>1,204,439</b>	<b>462,103</b>
<b>Administrative Services</b>		
Public Safety Department	-	1,000
<b>Administrative Services</b>	<b>-</b>	<b>1,000</b>
<b>Charlton College of Business</b>		
Accounting & Finance	10,830	
<b>Charlton College of Business Total</b>	<b>10,830</b>	
<b>College of Arts and Sciences</b>		
Biology	1,013,512	259,538
Center of Indic Studies	13,181	27,917
Center of Labor Education	617,474	601,554
Chemistry & Biochemistry	374,268	791,849
Economics	-	15,000
English	-	1,000
Foreign Literature & Languages	-	-
History	228,600	200,445
Mathematics	344,804	487,457
Psychology	107,568	386,457
Sociology/Anthropology/Crime and Justice Studies	3,026	28,044
<b>College of Arts and Sciences</b>	<b>2,702,432</b>	<b>2,799,262</b>
<b>College of Engineering</b>		
Bioengineering	-	95,418
Civil & Environmental Engineering	1,278,125	764,220
Computer Information Science	424,998	309,993
Electrical Computer Engineering	1,374,692	1,182,303
Mechanical Engineering	824,016	154,860
Physics	221,502	644,573
Office of Campus and Community Sustainability	62,101	1,074,215
<b>College of Engineering</b>	<b>4,185,434</b>	<b>4,225,582</b>
<b>College of Nursing</b>		
Adult/Child Nursing	59,793	-

Community Nursing	14,985	12,555
Lead Paint Program	439,504	283,829
<b>College of Nursing</b>	<b>514,282</b>	<b>296,384</b>
<b>Office of the Chancellor</b>		
Administrative & Axiliary Services	52,650	-
Advanced Technology Manufacturing Center	24,533	198,112
Economic Development	90,000	60,000
International Programs Office	54,266	56,978
Marine Renewable Energy Center	710,436	1,502,053
<b>Office of the Chancellor</b>	<b>931,885</b>	<b>1,817,143</b>
<b>Professional and Continuing Education</b>		
Division of Continuing Education	56,000	46,000
<b>Professional and Continuing Education</b>	<b>56,000</b>	<b>46,000</b>
<b>School for Marine Science and Technology</b>		
Estuarine and Ocean Sciences	2,722,728	2,315,185
Fisheries Oceanography	1,802,635	6,711,367
<b>School for Marine Science and Technology</b>	<b>4,525,363</b>	<b>9,026,551</b>
<b>School of Education, Public Policy, and Civic Engagement</b>		
Center for Civic Engagement	6,500	524,623
Center for University, School & Community Partnership	2,094,550	1,077,371
Kaput Center	1,241,375	853,953
Policy Studies	31,905	29,440
Science, Technology, Engineering & Math	-	175,027
Teaching & Learning	-	62,398
<b>School of Education, Public Policy, and Civic Engagemen</b>	<b>3,374,330</b>	<b>2,722,811</b>
<b>Grand Total</b>	<b>17,504,995</b>	<b>21,396,836</b>

**University of Massachusetts Dartmouth**  
**External Research and Other Sponsored Awards**  
**By College and Department**  
**FY2012**

<b>Unit/ Department</b>	<b>DIRECT</b>	<b>INDIRECT</b>	<b>TOTAL \$</b>
<b>Academic Affairs</b>			
Academic Resource Center	363,737	27,258	390,995
Provost Office	21,850	-	21,850
Upward Bound Department	735,582	53,012	788,594
<b>Academic Affairs Total</b>	<b>1,121,169</b>	<b>80,270</b>	<b>1,201,439</b>
<b>Chancellor's Office</b>			
Administrative & Auxiliary Services	48,750	3,900	52,650
Advanced Technology & Manufacturing Center	15,726	8,807	24,533
Economic Development	81,818	8,182	90,000
International Programs Office	52,726	1,540	54,266
Marine Renewable Energy Center	610,422	100,014	710,436
<b>Chancellor's Office Total</b>	<b>809,442</b>	<b>122,443</b>	<b>931,885</b>
<b>Charlton College of Business</b>			
Accounting & Finance	8,664	2,166	10,830
<b>Charlton College of Business Total</b>	<b>8,664</b>	<b>2,166</b>	<b>10,830</b>
<b>College of Arts &amp; Sciences</b>			
Biology	709,464	304,048	1,013,512
Center of Indic Studies	12,216	965	13,181
Center of Labor Education	570,853	46,621	617,474
Chemistry & Biochemistry	244,744	129,523	374,268
History	206,199	22,401	228,600
Mathematics	281,313	63,491	344,804
Psychology	68,032	39,536	107,568
Sociology/Anthropology/Crime and Justice Studies	1,823	1,203	3,026
<b>College of Arts &amp; Sciences Total</b>	<b>2,094,644</b>	<b>607,788</b>	<b>2,702,432</b>
<b>College of Engineering</b>			
Civil & Environmental Engineering	1,041,836	236,289	1,278,125
Computer Information Science	274,948	150,050	424,998
Electrical Computer Engineering	1,108,227	266,465	1,374,692
Mechanical Engineering	561,944	262,072	824,016
Office of Campus and Community Sustainability	59,858	2,243	62,101
Physics	154,634	66,868	221,502
<b>College of Engineering Total</b>	<b>3,201,447</b>	<b>983,987</b>	<b>4,185,434</b>
<b>College of Nursing</b>			
Adult/Child Nursing	51,994	7,799	59,793
Community Nursing	10,958	4,027	14,985
Lead Paint Program	391,396	48,108	439,504
<b>College of Nursing Total</b>	<b>454,348</b>	<b>59,934</b>	<b>514,282</b>
<b>Professional &amp; Continuing Education</b>			
Division of Continuing Education	51,527	4,473	56,000
<b>Professional &amp; Continuing Education Total</b>	<b>51,527</b>	<b>4,473</b>	<b>56,000</b>
<b>School for Marine Science and Technology</b>			
Estuarine and Ocean Sciences	2,031,610	691,118	2,722,728
Fisheries Oceanography	1,360,468	442,166	1,802,635

<b>School for Marine Science and Technology Total</b>	<b>3,392,078</b>	<b>1,133,284</b>	<b>4,525,363</b>
<b>School of Education, Public Policy, and Civic Engagement</b>			
Center for University, School & Community Partnerships	1,988,601	105,949	2,094,550
Civic Engagement	6,000	500	6,500
Kaput Center	974,401	266,974	1,241,375
Policy Studies	28,524	3,381	31,905
<b>School of Education, Public Policy, and Civic Engagement Total</b>	<b>2,997,526</b>	<b>376,804</b>	<b>3,374,330</b>
<b>Student Affairs</b>			
South Coast Compeer	3,000	-	3,000
<b>Student Affairs Total</b>	<b>3,000</b>	<b>-</b>	<b>3,000</b>
<b>Grand Total</b>	<b>14,133,847</b>	<b>3,371,148</b>	<b>17,504,995</b>

**University of Massachusetts Dartmouth**  
**Research and Other Sponsored Awards**  
**By Principal Investigator/Project Director**  
**Includes New Awards, Supplements and Continuations**  
**Fiscal Year 2012**

**EXECUTIVE LEVEL**

Department/ Principal Investigator	SPONSOR	TITLE	AMOUNT
Academic Affairs			
Academic Resource Center			
Daigle, Thomas J.	U.S. DEPARTMENT OF EDUCATION	Student Support Services at UMASS Dartmouth for Disadvantaged Students	390,995
<b>Academic Resource Center Total</b>			<b>390,995</b>
Provost Office			
Fowler, Alex J.	NATIONAL SCIENCE FOUNDATION	Graduate Research Fellowship Program	21,850
<b>Provost Office Total</b>			<b>21,850</b>
Upward Bound Department			
Dixon, Karen	BRIDGEWATER STATE COLLEGE	CONNECT Conversations on College Readiness Continued	7,500
Hagopian, Kristin A	U.S. DEPARTMENT OF EDUCATION	Upward Bound Program FY13	360,000
Ramos, Wayne	ISLAND FOUNDATION INC.	Student Leadership & College Tours FY'12	10,000
	MA DEPT OF ELEMENTARY & SECONDARY ED	Summer Food Service Program 2011	15,600
	U.S. DEPARTMENT OF EDUCATION	Upward Bound Program FY12	395,494
<b>Upward Bound Department Total</b>			<b>788,594</b>
<b>Academic Affairs Total</b>			<b>1,201,439</b>
Chancellor's Office			
Administrative & Auxiliary Services			
LaGrassa, Michael	MA EXEC OFC OF PUBLIC SAFETY & SECURITY	Automated Critical Asset Management (ACAMS)	52,650
<b>Administrative &amp; Auxiliary Services Total</b>			<b>52,650</b>
Advanced Technology & Manufacturing Center			
Davis, John S.	BTECH ACOUSTICS LLC	To Support STTR N11A-T026-Low Cost Acoustic Transmitter	24,533
<b>Advanced Technology &amp; Manufacturing Center Total</b>			<b>24,533</b>
Economic Development			
Vigeant, Paul L	MASS. OFFICE OF BUSINESS DEVELOPMENT	Southcoast Development Partnership FY '12	90,000
<b>Economic Development Total</b>			<b>90,000</b>
International Programs Office			
Kalbrener, Kristen M	UNIVERSITY OF MASSACHUSETTS - BOSTON	TraDIS: Transatlantic Dual Bachelor's Degree Program in Information Systems	54,266
<b>International Programs Office Total</b>			<b>54,266</b>
Marine Renewable Energy Center			
Miller, John Richard	MASSACHUSETTS CLEAN ENERGY CENTER	MREC Operational Funding 2012	710,436
<b>Marine Renewable Energy Center Total</b>			<b>710,436</b>
<b>Chancellor's Office Total</b>			<b>931,885</b>
Charlton College of Business			
Accounting & Finance			
Griffin, Michael	FM GLOBAL	Summer Internship FY13	10,830
<b>Accounting &amp; Finance Total</b>			<b>10,830</b>
<b>Charlton College of Business Total</b>			<b>10,830</b>
College of Arts & Sciences			
Biology			

Bromage,Erin S.	NATIONAL SCIENCE FOUNDATION	CAREER: Selective Sweep of Plasma Cell Specificity Following Vaccination	139,999
	UNIVERSITY OF MASSACHUSETTS - AMHERST	US Veterinary Immune Reagent Network	82,500
Moisander,Pia H	NATIONAL SCIENCE FOUNDATION	Collaborative Research:Microbial Associations in Zooplankton: Significance for the Marine Nitrogen Cycle	463,676
	QUEBEC-LABRADOR FOUNDATION	Toxin Production of Cyanobacteria on Nantucket Island	1,000
Oliveira,Kenneth	NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	Histology & Otolith-Base Study of Black Sea Bass	33,000
Silby,Mark Winston	TUFTS UNIVERSITY	Genetics of Soil Survival and Persistence of Pseudomonas Fluorescens	12,443
		Microbial Community Activity: Communication Among Soil Microbes	48,837
	U.S. DEPARTMENT OF AGRICULTURE	Deciphering the Interplay Between Plant and Soil Associated Bacteria	149,930
Turner,Jefferson T	BATTELLE MEMORIAL INSTITUTE	Harbor Outfall Monitoring 8	21,870
	MARINE BIOLOGICAL LABORATORY	Plum Island Ecosystems LTER	21,257
	WOODS HOLE OCEANOGRAPHIC INSTITUTION	Collaborative Research: Microbial Influences on Alexandrium Populations	39,000
<b>Biology Total</b>			<b>1,013,512</b>
Center of Indic Studies			
Singh,Bal R	MULTIPLE SPONSORS	Light on Ayurveda	13,181
<b>Center of Indic Studies Total</b>			<b>13,181</b>
Center of Labor Education			
Jochim,Lisa A.	GREATER NB WORKFORCE INVESTMENT AREA	Title I/Adult, Dislocated Workers	2,475
	MA DEPT OF ELEMENTARY & SECONDARY ED	Community Learning Center '12 Supplement	52,941
		FY12 Community Adult Learning Center, Adult Basic Education	482,058
		FY12 Federal Distance Learning	10,000
	PARTNERSHIPS FOR A SKILLED WORKFORCE,INC	ESOL/CNA/Customer Service	70,000
<b>Center of Labor Education Total</b>			<b>617,474</b>
Chemistry & Biochemistry			
Cai,Shuowei	ANTERIOS, INC.	Anterios Sponsored Research	81,663
		Small Biomolecular Inhibitors for Botulinum Neurotoxins (BoNTs): Understanding the Relationship between the Strength of Binding and the Inhibition of Protease Activity	53,125
Manke,David Robert	U.S. ARMY NATICK SOLDIER CENTER CAMILLE & HENRY DREYFUS FOUNDATION, INC.	Jean Dreyfus Boissevain Lectureship	18,500
Singh,Bal R	MENTOR BIOLOGICS, INC.	Near UV Circular Dichroism (CD) for Tertiary Structure Characterization of PurTox	10,270
	QUANTERIX CORPORATION	Ultra-Sensitive Detection of Pathogens Using Single Molecule Arrays	80,710
	U.S. DEPARTMENT OF DEFENSE	Microarray Analysis	129,999
<b>Chemistry &amp; Biochemistry Total</b>			<b>374,268</b>
History			
Koot,Gerard M	NATIONAL ENDOWMENT FOR THE HUMANITIES	Historical Interpretations of the Industrial Revolution in Britain	170,957
Walker,Timothy D.	CONFECTIONERS MILL PRESERVATION SOCIETY	Mars Historic Chocolate Mills Research Project	7,243
	NATIONAL ENDOWMENT FOR THE HUMANITIES	Global Medical Exchanges in the Portuguese Colonial World: The Dissemination of Indigenous Remedies and Healing Knowledge	50,400
<b>History Total</b>			<b>228,600</b>
Mathematics			

Gottlieb,Sigal	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Tailoring High Order Time Discretizations for Use With Spatial Discretizations of Hyperbolic PDEs	81,384
	NATIONAL SCIENCE FOUNDATION	RUI: CSUMS: Research in Scientific Computing in Undergraduate Education (RESCUE)	159,137
Wang,Cheng		NATIONAL SCIENCE FOUNDATION	Collaborative Research: Stable and Efficient Convexity-splitting Schemes for Bistable Gradient PDEs
Mathematics Total			344,804
Psychology			
Shapiro,Amy M.	U.S. DEPARTMENT OF EDUCATION	The Efficacy of Personal Response Systems (Clickers) as Learning Tools: A Multidisciplinary, Large-Scale, Empirical Evaluation	107,568
Psychology Total			107,568
Sociology/Anthropology/Crime and Justice Studies			
Krumholz,Susan T	UNIVERSITY OF MASSACHUSETTS - LOWELL	Postsecondary Education: Integrating Crime Victims' Issues into College Curricula	3,026
Sociology/Anthropology/Crime and Justice Studies Total			3,026
College of Arts & Sciences Total			2,702,432
College of Engineering			
Civil & Environmental Engineering			
Mogawer,Walaa S	MA DEPARTMENT OF TRANSPORTATION	Continued Operations for MassDOT Pavement Management Activities	57,451
		Determination of the Proper Virgin Binder Grader for RAP-HMA Mixes Utilizing High Percentages of RAP	499,456
		Field Monitoring of Experimental Hot Mix Projects Placed in Massachusetts	65,248
Pennell,Kelly	BROWN UNIVERSITY	Exposure Pathways, Dissolution Kinetics, & Fate of Nano-Silver in the Environment	31,381
		Reuse in RI: A State-Based Approach to Complex Exposures	24,459
Rahbar,Nima	NATIONAL SCIENCE FOUNDATION	Biological Materials Science Symposium, Orlando, March 11-15, 2012	4,000
		CAREER: Mechanics of Bio-Inspired Multilayered Structures	400,000
	U.S. ARMY RESEARCH OFFICE	Biological Materials Science Symposium, Orlando, March 11-15, 2012	5,000
		Collaborative Research: Development & Testing of Fundamentals of Environmental Engineering Concept Inventory	72,780
Sengupta,Sukalyan	NATIONAL SCIENCE FOUNDATION	MRI: Acquisition of Nanospider for Development of Next Generation of Polymeric Nanofibers	118,350
Civil & Environmental Engineering Total			1,278,125
Computer Information Science			
Balasubramanian,Ramprasad	OFFICE OF NAVAL RESEARCH	Situationally Aware Task Consensus Among a Team of Heterogeneous AUV's Under Intermittent Acoustic Communication	75,000
Vokkarane,Vinod M.	U.S. DEPARTMENT OF ENERGY	COMMON: Coordinated Multi-layer Multi-domain Optical Network Framework	349,998
Computer Information Science Total			424,998
Electrical Computer Engineering			

Brown,David A.	OFFICE OF NAVAL RESEARCH	Training in Electroacoustic Transducer Modeling With Examples of the Low Frequency Flexural Plate Bender and Slotted Cylinder Transducers Using Physics Based Mode	150,001
Buck,John R.	OFFICE OF NAVAL RESEARCH	IEEE Underwater Acoustic Signal Processing Workshop	5,000
Cory,Lester W	MASS REHABILITATION COMMISSION	Random Matrix Theory for Adaptive Beamforming Center for Rehabilitation Engineering Assistive Technology in SE Massachusetts	132,357
Li,Yifei	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	627,800	
Xing,Liudong	NATIONAL SCIENCE FOUNDATION	RF Frontend on a Monolithic Integrated Circuit CSR: Small : Collaborative Research: Bridging Reliability Analysis and Reliability Analysis and Reality in Sensor Systems: Theories and Applications	197,918
<b>Electrical Computer Engineering Total</b>			<b>261,616</b>
<b>Mechanical Engineering</b>			<b>1,374,692</b>
Chalivendra, Vijaya	MA TECHNOLOGY TRANSFER CENTER	Greener High Strength, Lightweight and Low Cost Structural Composites using Sustainable Natural Fibers	40,000
Holtta-Otto,Katja	NATIONAL SCIENCE FOUNDATION	CAREER: Measuring and Modeling Innovation and Risk in Engineering Design	400,000
		Collaborative Research: Extreme Experience Design for Breaking Barriers to Innovation	6,000
		COLLABORATIVE RESEARCH: Investigating the Innovation Capabilities of Undergraduate Engineering Students	100,000
Huang,Wenzhen	NATIONAL SCIENCE FOUNDATION	Statistical Modeling and Contact Analysis of Fractal Topography for Radio-Frequency (RF) MEMS	269,383
Laoulache,Raymond N	TACO, INC.	To Develop Heat Exchanger Test Protocols and Analyze Empirical Test Data	8,633
<b>Mechanical Engineering Total</b>			<b>824,016</b>
<b>Office of Campus and Community Sustainability</b>			
Jennings,Susan	BROCKTON AREA WORKFORCE INVESTMT BD	FY12 Clean Energy State Energy Sector Partnership Southeastern Partnership for Clean Energy Careers FY '11	22,820
	ISLAND FOUNDATION INC.	Leveraging a Sustainable Future in Southeastern Massachusetts	24,281
<b>Office of Campus and Community Sustainability Total</b>			<b>15,000</b>
<b>Physics</b>			
Khanna,Gaurav	NATIONAL SCIENCE FOUNDATION	Gravitational Wave Physics Simulations on the AFRL CONDOR Supercomputer	48,798
Tandon,Amit	OFFICE OF NAVAL RESEARCH	Submesoscale Routes to Lateral Mixing in the Ocean	90,703
	UNIVERSITY OF MASSACHUSETTS - PRES OFFICE	MOPE: Multi-scale Ocean Modeling in Support of the Pioneer Array	20,000
	WOODS HOLE OCEANOGRAPHIC INSTITUTION	Interpreting the Ocean's Interior from Surface Data	60,001
Wang,Jianyi Jay	TCR ENGINEERING	Computer Modeling and Visualization of Physical Systems	2,000
<b>Physics Total</b>			<b>221,502</b>
<b>College of Engineering Total</b>			<b>4,185,434</b>
<b>College of Nursing</b>			
<b>Adult/Child Nursing</b>			



Fater,Kerry H.	MA DEPARTMENT OF HIGHER EDUCATION	The Impact of the Nurse of the Future Core Competencies to the Training of Practicing Nurses	59,793
Adult/Child Nursing Total			59,793
Community Nursing			
Keough,Lori	UNIVERSITY OF MASSACHUSETTS MED SCHOOL	REACH: A pilot study exploring parental views of the role of schools and community on thier childrens health	8,310
Sousa,Sharon A	CITY OF NEW BEDFORD	Community Development Block Grant - Southcoast Compeer	6,675
Community Nursing Total			14,985
Lead Paint Program			
Maiocco,Carmen J.	HARVARD UNIVERSITY	Healthy Homes Pilot Project	20,000
	MA DEPARTMENT OF PUBLIC HEALTH	Childhood Lead Posioning Prevention program	217,218
		Lead Abatement '09	202,286
Lead Paint Program Total			439,504
College of Nursing Total			514,282
Professional & Continuing Education			
Division of Continuing Education			
McGuirl-Hadley,Joy A.	DOMINION FOUNDATION	Community Arts Project	10,000
	JOBS FOR FALL RIVER INC	Adams Grant Match-9672	10,000
	MASSACHUSETTS CULTURAL COUNCIL	Great Expectations	36,000
Division of Continuing Education Total			56,000
Professional & Continuing Education Total			56,000
School for Marine Science and Technology			
Estuarine and Ocean Sciences			
Altabet,Mark A.	NATIONAL SCIENCE FOUNDATION	Collaborative Research: High Resolution Paleooceanography in the Heart of the Equatorial Pacific Cold Tongue	6,250
		Collaborative Research:Microbial Associations in Zooplankton: Significance for the Marine Nitrogen Cycle	153,304
		COLLABORATIVE: Autonomous Lagrangian Floats for Oxygen Minimum Zone Biogeochemistry	349,607
Brown,Wendell S.	OREGON STATE UNIVERSITY	Responses of Pelagic Microbial Assemblages to a Hypoxia Environment	15,019
		Phased Deployment and Operation of the Mid-Atlantic Regional Coastal Ocean Observing System (MARCOOS)	311,120
		Development of a Dynamic Numerical Model for North Brazil Current Region FY12	50,000
Gangopadhyay,Avijit	RUTGERS UNIVERSITY	Phased Deployment and Operation of the Mid-Atlantic Regional Coastal Ocean Observing System (MARCOOS)	156,146
		Use of an AUV to Quantify Submesoscale Mixing Processes	100,703
Goodman,Louis	OFFICE OF NAVAL RESEARCH	Engineering Support for T-REMUS Participation in the Persistent Littoral Undersea Surveillance (PLUS) Program	90,344
	WOODS HOLE OCEANOGRAPHIC INSTITUTION	WQM of Freshponds Associated with Cranberry Agriculture	22,849
Howes,Brian L.	CAPE COD CRANBERRY GROWERS' ASSOC		
	CAPE COD WATER PROTECTION COLLABORATIVE	Nauset Estuary MEP Analysis	18,000

Howes,Brian L.	CHILMARK, TOWN OF	MEP Assessment Chilmark and Menemsha Ponds	86,267
	GHD, INC.	MEP Scenarios for Falmouth Estuaries	40,450
	HOLYOKE GAS AND ELECTRIC	Scientific Services Phase I: Hydrokinetics and Flow Measurements	4,400
	MA DEPT OF ENVIRONMENTAL PROTECTION	MEP 2010-2013	660,000
	THE COALITION FOR BUZZARDS BAY	MEP Updates: Slocums River, Wareham River, New Bedford Inner Harbor	75,000
	THE GREAT POND FOUNDATION, INC.	Assessment of MEP Flushing Alternative for Edgartown Great Pond Circulation	18,600
	TOWN OF DENNIS	MEP Dennis Professional Services for Estuarine Water Quality Monitoring	18,100
		Scargo Lake 2: Technical Assistance 2011 - Dennis Freshponds, Scargo Lake, Eagle Pond and Cedar Pond	21,743
	TOWN OF FALMOUTH	7 Estuaries Analysis - Falmouth	110,720
	TOWN OF ORLEANS	Orleans Estuarine Water Quality Monitoring Technical Support FY13	6,000
		Town of Orleans Estuarine Water Quality Monitoring FY 12	6,000
	TOWN OF PLYMOUTH	Plymouth Harbor MEP Analysis Task 1B LandUse	25,000
	TOWN OF TISBURY	MEP Analysis Town of Tisbury for Lake Tashmoo Estuary	64,750
	WESTPORT WATERSHED ALLIANCE	Forge Pond, Adamsville Pond, Cockeast Pond Water Quality Monitoring	3,100
Lohrenz,Steven E	NATIONAL AERO AND SPACE ADMINISTRATION	Estimation of land-ocean-atmosphere carbon fluxes and exchanges in the Mississippi River watershed and northern Gulf of Mexico.	49,539
	UNIVERSITY OF SOUTHERN MISSISSIPPI	Assessing Impacts of Climate & Land Use Change on Terrestrial-Ocean Fluxes of Carbon & Nutrients & Their Cycling in Coastal Ecosystems	72,161
	UNIVERSITY OF WISCONSIN	Implication of Changing Sea-Ice on Phytoplankton and Zooplankton Biomass	19,071
MacDonald,Daniel G.	NATIONAL SCIENCE FOUNDATION	Collaborative Research: Sediment Transportation and Storage in Tidal Floodplain Water Bodies	36,014
Sundermeyer,Miles A	OFFICE OF NAVAL RESEARCH	LIDAR and Numerical Modeling Studies of Small-Scale lateral disp.in the Ocean	132,471
<b>Estuarine and Ocean Sciences Total</b>			<b>2,722,728</b>
Fisheries Oceanography			
Cadrin,Steven X.	CAPE COD COMMERCIAL HOOK FISHERMAN ASSOC	CCFT Scallop Research Project	17,600
	CHOIR COALITION	Consultation on 2012 Herring Stock Assessment	16,221
	COONAMESSETT FARM FOUNDATION, INC.	Seasonal Bycatch Survey of the Georges Bank Scallop Fishery	55,585
	ENVIRONMENTAL DEFENSE FUND	Spatial Management Strategies for NE Groundfish Stocks	50,000
	MA DIVISION OF MARINE FISHERIES	Fisheries Technician:Fisheries Dependent Data and Cod Tagging Data Collection	82,249
		Monitoring Spawning Behaviour and Movement of Atlantic Cod(Gadus morhua) at an inshore spawning ground in the western Gulf of Maine	35,080
		SMAST Graduate Education Program	50,000
	NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	Continuing Archival Tagging and Age Validation of Monkfish in the Gulf of Maine	64,256

Cadrin,Steven X.	NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	Evaluating Population Effects and Management implications of Mixing between Eastern and Western Atlantic Bluefin Tuna Stocks	61,820
		Expansion of the Yellowtail Flounder Bycatch Avoidance System	94,829
	UNIVERSITY OF NEW HAMPSHIRE	Estimation of Discard Mortality of Yellowtail and Winter Flounders	28,398
	UNIVERSITY OF RHODE ISLAND	Analysis of Rhode Island Ventless Trap Survey Index for Stock Assessment of Scup	47,096
Chen,Changsheng	MASS WATER RESOURCES AUTHORITY	Modeling Massachusetts Bay Mater Quality	180,000
	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Development of an Inundation Forcast System for Massachusetts Coastal Waters	100,000
	NE REG ASSOC OF COASTAL OCEAN OBSERV SYS	The Continued Development of the Northeastern Regional Coastal Ocean Observing System (NERACOOS)	75,449
	SOUTHEASTERN UNIVERSITY RESEARCH ASSOC.	U.S. IOOS Coastal Modeling Testbed: A Super-Regional Testbed to Improve Models of Environmental Processes on the U.S. Coasts	30,000
	UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH	Development of A Northern Gulf of Mexico Operational Forecast System	50,000
	UNIVERSITY OF CONNECTICUT	Temperature, Salinity and Sea Level in Long Island Sound: Northeast Coastal Ocean Forecast System for managing coastal resources, ecosystems and habitats (NECOFS)	10,000
Cowles,Geoffrey W.	WOODS HOLE OCEANOGRAPHIC INSTITUTION	Modeling as a Tool to Better Understand Bay Scallop Recruitment and to Manage Bay Scallop Populations	47,037
Georgianna,Daniel	OAK MANAGEMENT INC.	New England Groundfish Break-Even Analysis	47,608
He,Pingguo	COMMERCIAL FISHERIES RESEARCH FOUNDATION	Preliminary Test of a Modified Footgear to Reduce the Catch of SNE Winter-Flounder in the Large Mesh Groundfish Fishery- Phase Two	11,103
	MA DIVISION OF MARINE FISHERIES	CEMFIN: Conservation Engineering Marine Fisheries Initiative	52,750
	NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	Design and Test of a innovative hydrodynamic scallop dredge to reduce bycatch, minimize bottom impact and improve fuel efficiency	209,244
	SINTEF FISHERIES AND AQUACULTURE	Development of Multirig Semi-pelagi Trawling	66,667
Hyun,Saang-Yoon	COLUMBIA RIVER INTER-TRIBAL FISH COMMISS	Incorporation of Stock Compositions into Ocean Fishery Real-time Forecast of Chinook Salmon Tuna	51,769
Rothschild,Brian J	PARTNERSHIP FOR MID-ATLANTIC FISHERIES	Summer Flounder and Black Sea Bass Research in the Mid-Atlantic Blight '12	14,490
Stokesbury,Kevin D.E.	AMERICAN SCALLOP ASSOCIATION	Marine Stewardship Certification Assessment Report	10,022
	COONAMESSETT FARM FOUNDATION, INC.	Optimizing the Georges Bank Scallop Fishery by Maximizing Meat Yield and MInimizing Bycatch	44,726
		Seasonal Bycatch Survey of the Georges Bank Scallop Fishery: Coonamessett Farm Foundation, Inc-Subcontracted	55,843
	MA DIVISION OF MARINE FISHERIES	DMF ISA Environmental Review Program	20,000
		River Herring Bycatch Avoidance in Small Mesh Fisheries-RI Ports	1,200
	MA EXEC OFFICE OF ENERGY & ENVIRON AFF	Video Survey of Western Portion of the Offshore Windfarm Area	36,973

Stokesbury, Kevin D.E.	NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	High Resolution Video survey of the sea scallop resource in the Hudson Canyon and Delmarva Closed Areas	210	
		What Causes Gray Meat in the Atlantic Sea Scallop Placopecten magellanicus in Georges Bank Closed Areas	84,410	
		Fisheries Oceanography Total1,802,635		
School for Marine Science and Technology Total4,525,363				
School of Education, Public Policy, and Civic Engagement				
Center for University, School & Community Partnerships				
Crowley, Patricia A.	NATIONAL WRITING PROJECT	Buzzards Bay Writing Project FY 13	20,000	
O'Connor, Karen A.	CITY OF SPRINGFIELD	Springfield Project SUCCESS	74,000	
	MA DEPT OF ELEMENTARY & SECONDARY ED	Project SUCCESS: FY 13/14	24,000	
		Project Success: Mentoring in Action in Massachusetts	36,952	
	MULTIPLE SPONSORS	Project SUCCESS: Mentoring in Action (Districts FY13)	50,000	
		Project Success: Mentoring in Action (Districts)	222,195	
	NATIONAL SCIENCE FOUNDATION	NOYCE TEACH! Southcoast STEM	1,290,880	
	U.S. DEPARTMENT OF EDUCATION	Southcoast Partnership for the Journey into Education and Teaching	376,523	
Center for University, School & Community Partnerships Total			2,094,550	
Civic Engagement				
Healy, Deirdre E.	MA SERVICE ALLIANCE	Spring into Service in the Southcoast	5,000	
	MICHIGAN CAMPUS COMPACT	MLK, Jr. Day of Service 2012	1,500	
Civic Engagement Total			6,500	
Kaput Center				
Brekka, Maria L.	NATIONAL SCIENCE FOUNDATION	Childrens Understanding of Functions in Grades PreK-2	415,222	
		Developing Algebra-Ready Students for Middle School: Exploring the Impact of Early Algebra	480,919	
Hegedus, Stephen J.	NATIONAL SCIENCE FOUNDATION	Dynamic Haptic Geometry in Elementary and Undergraduate Classrooms	189,996	
	TOWN OF DARTMOUTH	Evaluation of the Implementation of the Smaller Learning Communities Program at Dartmouth High School	20,500	
Orrill, Chandra H	NATIONAL SCIENCE FOUNDATION	CAREER: Coherence as a Basis for Understanding Teachers' Mathematical Knowledge for Teaching	134,738	
Kaput Center Total			1,241,375	
Policy Studies				
Goodman, Michael D	MASSACHUSETTS COLLEGE OF LIBERAL ARTS	Berkshire Educational Collaborative Needs Assessment	13,124	
	TOWN OF DARTMOUTH	Public Policy Fellowship FY'12	18,781	
Policy Studies Total			31,905	
School of Education, Public Policy, and Civic Engagement Total				3,374,330
Student Affairs				
South Coast Compeer				
Frizzell, D Christine	COMMUNITY COUNSELING OF BRISTOL COUNTY	COMPEER to Peer Initiative	3,000	
South Coast Compeer Total			3,000	
Student Affairs Total				3,000
Grand Total				17,504,995

**University of Massachusetts Dartmouth**  
**FY 2012 Research and Other Sponsored Awards**  
**By Principal Investigator/Project Director**  
**Includes New Awards, Continuations and Supplements**

<b>Principal Investigator/Project Dir</b>	<b>Total Amount</b>
Altabet,Mark A.	524,180
Balasubramanian,Ramprasad	75,000
Brekka,Maria L.	896,141
Bromage,Erin S.	222,499
Brown,David A.	150,001
Brown,Wendell S.	311,120
Buck,John R.	137,357
Cadrin,Steven X.	603,134
Cai,Shuowei	134,788
Chalivendra, Vijaya	40,000
Chen,Changsheng	445,449
Cory,Lester W	627,800
Cowles,Geoffrey W.	47,037
Crowley,Patricia A.	20,000
Daigle,Thomas J.	390,995
Davis,John S.	24,533
Dixon, Karen	7,500
Fater,Kerry H.	59,793
Fowler,Alex J.	21,850
Frizzell,D Christine	3,000
Gangopadhyay,Avijit	206,146
Georgianna,Daniel	47,608
Goodman,Louis	191,047
Goodman,Michael D	31,905
Gottlieb,Sigal	240,521
Griffin, Michael	10,830
Hagopian,Kristin A	360,000
He,Pingguo	339,764
Healy,Deirdre E.	6,500
Hegedus,Stephen J.	210,496
Holtta-Otto,Katja	506,000
Howes,Brian L.	1,180,979
Huang,Wenzhen	269,383
Hyun,Saang-Yoon	51,769
Jennings,Susan	62,101
Jochim,Lisa A.	617,474
Kalbrener,Kristen M	54,266
Keough,Lori	8,310
Khanna,Gaurav	48,798
Koot,Gerard M	170,957
Krumholz,Susan T	3,026
LaGrassa, Michael	52,650

Laoulache,Raymond N	8,633
Li,Yifei	197,918
Lohrenz,Steven E	140,771
MacDonald,Daniel G.	36,014
Maiocco,Carmen J.	439,504
Manke,David Robert	18,500
McGuirl-Hadley,Joy A.	56,000
Miller,John Richard	710,436
Mogawer,Walaa S	622,155
Moisander,Pia H	464,676
O'Connor,Karen A.	2,074,550
Oliveira,Kenneth	33,000
Orrill,Chandra H	134,738
Pennell,Kelly	55,840
Rahbar,Nima	409,000
Ramos,Wayne	421,094
Rothschild,Brian J	14,490
Sengupta,Sukalyan	191,130
Shapiro,Amy M.	107,568
Silby,Mark Winston	211,210
Singh,Bal R	234,160
Sousa,Sharon A	6,675
Stokesbury,Kevin D.E.	253,384
Sundermeyer,Miles A	132,471
Tandon,Amit	170,704
Turner,Jefferson T	82,127
Vigeant,Paul L	90,000
Vokkarane,Vinod M.	349,998
Walker,Timothy D.	57,643
Wang,Cheng	104,283
Wang,Jianyi Jay	2,000
Xing,Liudong	261,616
<b>Grand Total</b>	<b>17,504,995</b>

**University of Massachusetts Dartmouth  
Research and Other Sponsored Awards  
Comparison Report of Expenditures by College  
FY 2012 through FY 2010**

<b>Unit</b>	<b>2012</b>	<b>2011</b>	<b>2010</b>
College of Arts & Sciences	2,529,764	3,309,368	2,575,725
College of Engineering	3,700,238	3,040,696	2,788,204
College of Nursing	572,112	683,072	444,972
College of Visual and Performing Arts	-	1,998	106,107
School for Marine Science & Technology	5,499,898	7,899,909	7,697,331
School of Education, Public Policy and Civic Engagement	1,890,185	3,020,739	2,441,637
Chancellor's Office	849,294	1,229,395	841,583
Professional & Continuing Education	52,612	28,797	63,359
Academic Affairs	644,180	841,665	941,452
Administrative Services	-	1,000	-
Student Affairs	350	6,272	7,479
<b>Grand Total</b>	<b>15,738,634</b>	<b>20,062,910</b>	<b>17,907,849</b>