

Central Washington University
Annual Report
of
External Grant and Contract Activities
for
July 1, 2010–June 30, 2011

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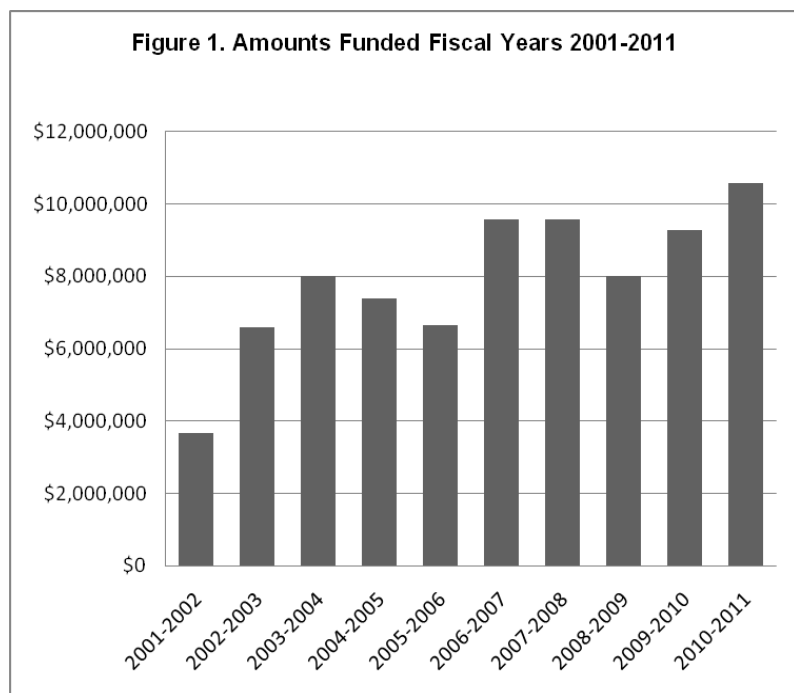
Graduate Studies and Research

Compiled and Analyzed by Julie Guggino
August 2011

Summary of External Report of Grants and Contracts Activity for July 1, 2010–June 30, 2011

Grants funded during this fiscal year totaled a record-breaking \$10,579,434. Between July 1, 2010 and June 30, 2011, a total of 144 grants were submitted to external funding sources (162 last year) by 72 different faculty and staff (85 last year) requesting a total of \$18,633,749 (\$14,997,122 last year). Of these 144, by June 30, 2011, 87 were funded, 21 were not funded, and 36 were still pending. Twenty-four grants submitted prior to July 1, 2010, but funded during this fiscal year, are included in the \$10,579,434.

Figure 1 shows grant award activity over the past 10 years. The amount funded this year is 13.94% more than last year's award amount of \$9,285,391.



Notable new awards include

- Three new U.S. Department of Education-funded student achievement programs:
 - Mateo Arteaga, *CWU High School Equivalency Program*, \$455,567 per year for 5 years
 - Mateo Arteaga, *CWU College Assistance Migrant Program*, \$424,986 per year for 5 years
 - Neil McFarlane, *CWU Student Support Services*, \$290,216 per year for 5 years
- Lucinda Carnell (Biological Sciences) and Carin Thomas (Chemistry) received \$140,712 from the National Institutes of Health for their research *High Fat Diet & Deficient Antioxidant Status as Contributing Factors to Mitochondrial Dysfunction in C. elegans: Implications for the Onset of Type 2 Diabetes*.
- Ian Quitadamo (Biological Sciences/Science Education), Martha Kurtz (Science Education), James Johnson (Biological Sciences), and Carin Thomas (Chemistry) received \$124,684 from the National Science Foundation for their research *Using Community-Based Inquiry to Build Faculty Capacity & Student Critical Thinking*.
- Paul James, Kristina Ernest, Steve Wagner, Daniel Beck, and Jason Irwin (Biological Sciences) received two grants totaling \$252,087 from the Washington State Department of Transportation for their research *I-90 Snoqualmie East Project Wildlife Monitoring*.

Continuing awards of note include

- Nicki Kukar (International Studies and Programs) received \$832,772 from Asia University for this year's *Asia University America Program*.
- Kevin Nemeth (Continuing Education) received \$623,714 from Liuzhou People's Municipal Government (China) for this year's *Liuzhou City Masters Cohorts*.

Figure 2 shows the distribution of funding support among the different funding sources. Federal agencies continue to provide the largest share of funded awards.

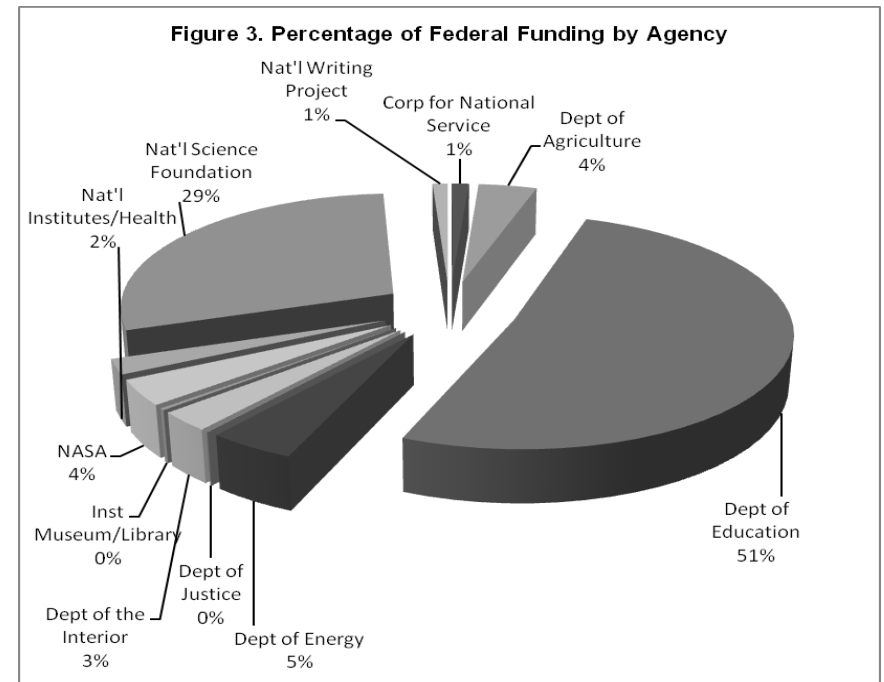
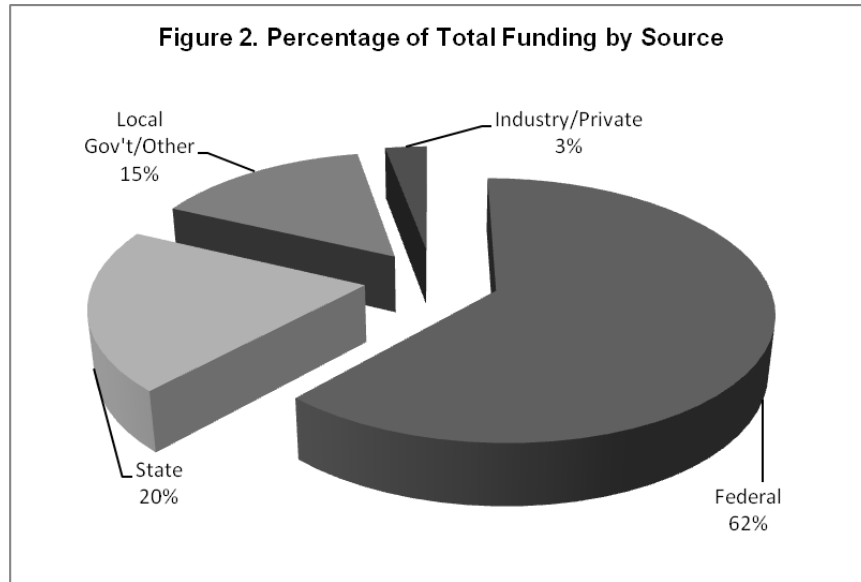


Figure 3 displays the percentage of funding by federal agency. These percentages reflect annual award amounts, not total award amounts. Funding from the U.S. Department of Education totaling \$3,555,217 accounted for 51% of CWU's federal funding, followed by funding from the National Science Foundation totaling \$1,908,486, accounting for 29%.

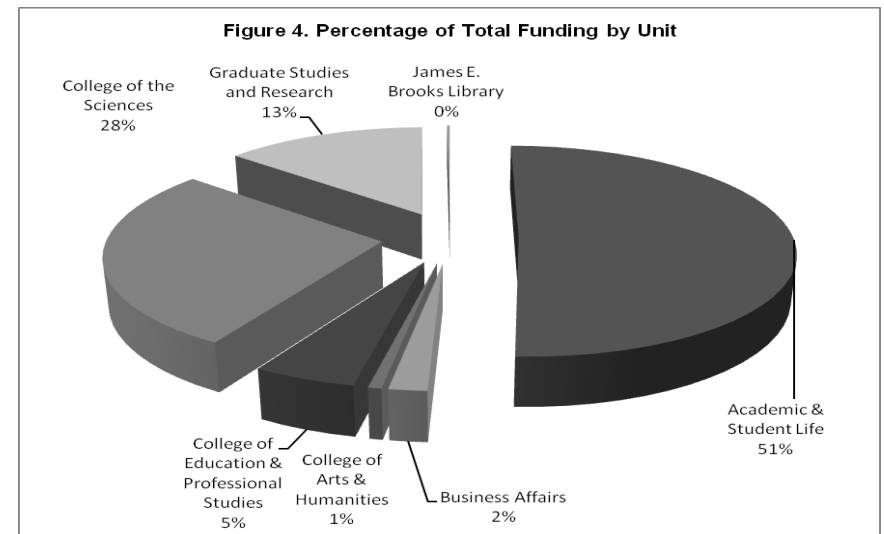


Figure 4 illustrates the proportion of funds generated by the various units on campus. Together the four colleges, the James E. Brooks Library, and Graduate Studies and Research generated 47% of the total amount funded; Academic and Student Life generated 51% of the total amount funded.

Summary of Grant Activity between July 1, 2010 and June 30, 2011 by Unit

Number of Grants Submitted

	July 1, 2010--June 30, 2011				Prior to July 1, 2010*			
	Funded	Not Funded	Pending	Total	Funded	Not Funded	Pending	Total
Academic & Student Life	26	3	11	40	6	0	0	6
Business Affairs	4	1	0	5	0	1	0	1
College of Arts & Humanities	5	0	2	7	0	2	0	2
College of Education & Professional Studies	11	1	3	15	1	0	1	2
College of the Sciences	28	15	19	62	13	14	2	29
Graduate Studies and Research	13	1	3	17	3	0	0	3
James E. Brooks Library	0	0	0	0	1	0	0	1
Total Number of Grants Submitted	87	21	38	146	24	17	3	44

*These grants were still pending when the 2009-10 Annual Report was prepared.

Dollar Amounts of Grants Submitted

	July 1, 2010--June 30, 2011				Prior to July 1, 2010*			
	Funded	Not Funded	Pending	Total	Funded	Not Funded	Pending	Total
Academic Affairs	3,992,414	157,035	2,132,193	6,281,642	1,369,686	0	0	1,369,686
Business Affairs	205,406	5,000,000	0	5,205,406	0	63,980	0	63,980
College of Arts & Humanities	72,650	0	7,815	80,465	0	560,256	0	560,256
College of Education & Professional Studies	526,077	66,918	153,133	746,128	28,447	0	40,000	68,447
College of the Sciences	2,115,180	920,682	1,900,019	4,935,881	810,049	1,222,399	269,048	2,301,496
Graduate Studies and Research	1,214,560	5,000	19,652	1,239,212	226,765	0	0	226,765
James E. Brooks Library	0	0	0	0	18,200	0	0	18,200
Total Dollar Amount of Grants Submitted	8,126,287	6,149,635	4,212,812	18,488,734	2,453,147	1,846,635	309,048	4,608,830

*These grants were still pending when the 2009-10 Annual Report was prepared.

Academic and Student Life

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Anderson, Lorinda Civic Engagement Center	<i>TransEngage</i> Hewlett Packard	40,000	-	Not Funded	
Anderson, Lorinda Civic Engagement Center	<i>2010-11 Students in Service Mini Grant Program</i> Washington Campus Compact, Western Washington University	2,000	-	Funded*	2,000
Arteaga, Mateo Educational Outreach Services	<i>Central Washington University's Grant County Education Opportunity Center, Year 1 of 5</i> U.S. Department of Education	230,000	17,037	Pending	
Arteaga, Mateo Educational Outreach Services	<i>Central Washington University's Yakima County Communities Education Opportunity Center, Year 1 of 5</i> U.S. Department of Education	270,936	20,069	Pending	
Arteaga, Mateo Educational Outreach Services	<i>Central Washington University Talent Search, Year 1 of 5</i> U.S. Department of Education	230,000	17,037	Pending	
Arteaga, Mateo Educational Outreach Services	<i>Educational Opportunity Center, Year 4 of 4</i> U.S. Department of Education	263,047	19,485	Funded	263,047
Arteaga, Mateo Educational Outreach Services	<i>Central Washington University College Assistance Migrant Program, Year 5 of 5</i> U.S. Department of Education	424,905	23,821	Funded	424,905
Arteaga, Mateo Educational Outreach Services	<i>Central Washington University High School Equivalency Program, Year 5 of 5</i> U.S. Department of Education	447,607	31,007	Funded	477,607
Arteaga, Mateo Educational Outreach Services	<i>Central Washington University High School Equivalency Program, Year 1 of 5</i> U.S. Department of Education	455,456	31,667	Funded	455,456
Arteaga, Mateo Educational Outreach Services	<i>Central Washington University College Assistance Migrant Program, Year 1 of 5</i> U.S. Department of Education	424,986	23,377	Funded	424,986

*From prior year

Academic and Student Life (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Bowers, Jan Continuing Education	<i>Professional Development Programming</i> Washington State Workforce Training & Education Coordinating Board	14,000	-	Funded	14,000
Charlton, Janie Early Childhood Learning Center	<i>Food Program Support for Early Learning Center</i> U.S. Department of Agriculture/Washington State Office of Superintendent of Public Instruction	20,932	-	Funded	20,932
DeLeon, Lourdes Continuing Education	<i>Bone Identification</i> Grant County Public Utility District	25,000	6,203	Funded	25,000
Farmer, Gail Wellness Center	<i>High Risk Drinking</i> University of Virginia/Anheuser Busch Foundation	33,800	-	Funded	34,950
Farmer, Gail Wellness Center	<i>Wildcats Making Healthy Choices, Years 1-3 of 3</i> National Collegiate Athletic Association	30,000	-	Funded	30,000
Kukar, Nicki International Programs	<i>Asia University America Program</i> Asia University	832,772	-	Funded	832,772
Launius, Michael International Programs	<i>Takushoku University UESL Program</i> Takushoku University	47,100	-	Pending	
Launius, Michael International Programs	<i>University of Shimane Junior College UESL Program</i> University of Shimane Junior College	36,432	-	Pending	
Launius, Michael International Programs	<i>Takushoku University UESL Program</i> Takushoku University	47,570	-	Funded	47,570
Launius, Michael International Programs	<i>University of Shimane Junior College UESL Program</i> University of Shimane Junior College	23,526	-	Funded	23,526
McFarlane, Neil Academic Achievement Programs	<i>College Access Challenge Grant</i> Washington Campus Compact, Western Washington University	6,500	-	Funded	6,500
McFarlane, Neil Academic Achievement Programs	<i>Bridges Mentoring Project, Year 2 of 2</i> Washington Campus Compact, Western Washington University	40,795	-	Pending	

*From prior year

Academic and Student Life (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
McFarlane, Neil Academic Achievement Programs	<i>TRIO Mentoring Project, Year 2 of 2</i> Washington Campus Compact, Western Washington University	40,795	-	Pending	
McFarlane, Neil Academic Achievement Programs	<i>TRIO Mentoring Project</i> Washington Campus Compact, Western Washington University	42,000	-	Funded*	41,356
McFarlane, Neil Academic Achievement Programs	<i>Student Support Services, Year 1 of 5</i> U.S. Department of Education	290,216	20,779	Funded*	290,216
Nemeth, Kevin Continuing Education	<i>Liuzhou City Masters Cohorts, Year 2 of 2</i> Liuzhou People's Municipal Government (China)	677,950	-	Pending	
Nemeth, Kevin Continuing Education	<i>Liuzhou City Masters Cohorts, Year 1 of 2</i> Liuzhou People's Municipal Government (China)	677,950	-	Funded*	623,714
Orvald, Tucker Continuing Education	<i>Suncadia MPR Cultural Resource Conservation</i> Suncadia, LLP	15,192	3,769	Funded	15,192
Pellet, Tracy Undergraduate Studies	<i>B.S. Interdisciplinary Studies--Social Sciences/B.S. Social Services, Year 6 of 7</i> Pierce Community College/State Board for Community & Technical Colleges	300,000	-	Pending	
Pellet, Tracy Undergraduate Studies	<i>B.A.S. Information Technology & Administrative Management, Year 6 of 7</i> Edmonds Community College/State Board for Community & Technical Colleges	236,000		Pending	
Pellet, Tracy Undergraduate Studies	<i>CWU B.S. in Interdisciplinary Studies-Social Sciences, Year 1 of 2</i> Everett Community College	219,555	21,956	Funded	219,555
Pellet, Tracy Undergraduate Studies	<i>B.S. Interdisciplinary Studies--Social Sciences/B.S. Social Services, Year 5 of 7</i> Pierce Community College/State Board for Community & Technical Colleges	300,000	-	Funded	300,000
Pellet, Tracy Undergraduate Studies	<i>B.S. Interdisciplinary Studies--Social Sciences Supplement</i> Everett Community College/Skagit Valley College	32,445	-	Funded	32,445

*From prior year

Academic and Student Life (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Pellet, Tracy Undergraduate Studies	<i>B.A.S. Information Technology & Administrative Management, Year 5 of 7</i> Edmonds Community College/State Board for Community & Technical Colleges	236,000	-	Funded*	236,000
Pellet, Tracy Undergraduate Studies	<i>B.S. Interdisciplinary Studies--Social Sciences, Year 3 of 3</i> Everett Community College/Skagit Valley College	176,400	-	Funded*	176,400
Scott, Shane Continuing Education	<i>RLR Benton Cultural Survey & Testing Project</i> Reiss-Landreau Research Archaeological Consulting	1,740	432	Funded	1,170
Scott, Shane Continuing Education	<i>Powerhouse Bridge Lithic Scatter Site Archaeological Data Recovery Excavation & Analysis</i> Kleinfelder	24,693	6,127	Funded	24,693
Scott, Shane Continuing Education	<i>enXco Section 24 Survey</i> enXco	22,185	5,505	Pending	
Scott, Shane Continuing Education	<i>Big Eddy-Knight Archaeological Inventory Testing</i> U.S. Department of Energy, Bonneville Power Administration	251,497	48,564	Funded	251,497
Scott, Shane Continuing Education	<i>Wind Turbine Project Archaeological Monitoring</i> Cascade Community Wind LLC	2,400	595	Funded	2,400
Scott, Shane Continuing Education	<i>Chelan County PUD Cultural Resources</i> Chelan County Public Utility District	35,000	8,684	Funded	35,000
Scott, Shane Continuing Education	<i>Dallesport TFAS Geophysical Investigation</i> Yakama Nation	19,473	4,832	Not Funded	
Scott, Shane Continuing Education	<i>Malheur National Forest Survey</i> Warm Springs Geo Visions	6,411	1,591	Funded	6,411
Scott, Shane Continuing Education	<i>Kiwanis Park Archaeological Monitoring</i> Mid-Columbia Fisheries Enhancement Group	1,000	248	Funded	1,000

*From prior year

Academic and Student Life (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Scott, Shane Continuing Education	<i>Big Eddy-Knight Cultural Resource Assessment/Survey</i> U.S. Department of Energy, Bonneville Power Administration	21,800	5,616	Funded	21,800
Terrell, Tracy Registrar Services	<i>Central Washington University Veteran Success Center, Year 1 of 3</i> U.S. Department of Education	97,562	17,865	Not Funded	
Total Academic and Student Life		6,857,219	336,266		5,362,100

Business Affairs

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Nahan, Pat Facilities Management	<i>Getz-Short Boiler Upgrade, Years 1 & 2 of 2</i> Washington State Department of Commerce	100,000	-	Funded	100,000
Nahan, Pat Facilities Management	<i>Library/Farrell Hall Control Upgrades, Years 1 & 2 of 2</i> Washington State Department of Commerce	30,000	-	Funded	30,000
Nahan, Pat Facilities Management	<i>Aquatic Center Energy Improvements, Years 1 & 2 of 2</i> Washington State Department of Commerce	70,000	-	Funded	70,000
Nahan, Pat Facilities Management	<i>Biomass Fueled Combined Heat & Power Facility, Years 1 & 2 of 2</i> Washington State Department of Commerce	5,000,000	-	Not Funded	
Rittereiser, Steve Campus Police	<i>High Visibility Enforcement Traffic Safety Emphasis Patrols</i> Washington Traffic Safety Commission	5,406	-	Funded	5,406
Rittereiser, Steve Campus Police	<i>COPS Hiring Recovery Program</i> U.S. Department of Justice	63,980	-	Not Funded*	
Total Business Affairs		5,269,386	-		205,406

*From prior year

College of Arts and Humanities

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Cummings, Bobby English	<i>Central Washington Writing Project, 2011-12</i> National Writing Project	47,000	-	Funded	35,000
Cummings, Bobby English	<i>Supplement: Central Washington Writing Project, 2010-11</i> National Writing Project	14,000	-	Funded	14,000
Cummings, Bobby English	<i>National Evaluation Partnership Summer Grant</i> National Writing Project	16,000	-	Funded	16,000
Gray, Lori English	<i>Online Delivery of Composition Instruction</i> Cengage Learning	5,000	-	Funded	5,000
Hall, Raymond Africana/Black Studies	<i>African American Migration to the Roslyn, Washington Coal Field, 1888-1910: Forging Identity & Community through Adversity</i> National Trust for Historic Preservation	5,000	-	Pending	
Jackson, Steve, Communication; Steve Rittereiser, Campus Police	<i>Fully Integrating Campus-Based Emergency Management Planning, Years 1-2 of 2</i> U.S. Department of Education	522,456	116,176	Not Funded*	
Knirck, Jason History	<i>A Cult of No Personality: W.T. Cosgrave & Irish Politics</i> National Endowment for the Humanities	37,800	-	Not Funded*	
Schedler, Christopher Latino & Latin American Studies	<i>Outside In/Inside Out: (Im)Migrant Communities of the Pacific Northwest</i> American Studies Association	2,815	-	Pending	
Smith, Bret Music	<i>String Project Site, Year 4 of 5</i> National String Project Consortium	2,650	-	Funded	2,650
Total College of Arts and Humanities		652,721	116,176		72,650

*From prior year

College of Education and Professional Studies

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Bennett, Virginia Nutrition, Exercise & Health Sciences	<i>Outcome Measures of a Family-Based Education Approach</i> Washington State University/U.S. Department of Agriculture	24,854	5,129	Pending	
Bennett, Virginia, Ethan Bergman Nutrition, Exercise & Health Sciences	<i>FoodSense: Salsa, Sabor y Salud</i> Washington State University/U.S. Department of Agriculture	23,820	5,211	Funded*	23,447
Bergman, Ethan, Nutrition, Exercise & Health Sciences; Linda Cashman, Nutrition, Exercise & Health Sciences; Tim Englund, Mathematics	<i>Healthier U.S. School Challenge: Comparison of School Lunches & Lunches Brought from Home</i> U.S. Department of Agriculture, National Food Service Management Institute	64,999	9,444	Pending	
Carrothers, Carol Deaf & Hard of Hearing Services	<i>Birth-to-Three Module for Annual Deaf Family Weekend</i> Puget Sound Educational Service District	4,000	-	Funded	4,000
Carrothers, Carol Deaf & Hard of Hearing Services	<i>Deaf Fiesta</i> ZVRS	2,350	-	Funded	2,350
Carrothers, Carol Deaf & Hard of Hearing Services	<i>Disability Services, 2010-11</i> North Central Educational Service District	181,000	13,408	Funded	189,424
Connolly, Jerry Special Education Technology Program	<i>Disabled Students Technology Assistance</i> Legends Casino	1,500	-	Funded	1,500
Connolly, Jerry Special Education Technology Program	<i>Special Education Technology Center, 2010-11</i> Washington State Superintendent of Public Instruction	300,277	22,243	Funded	300,277
D'Acquisto, Leo Nutrition, Exercise & Health Sciences	<i>Athletic Training Position</i> Ellensburg School District	9,165	-	Funded	9,165

*From prior year

College of Education and Professional Studies (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Kerr, Kelly Nutrition, Exercise & Health Sciences	<i>The Effects of an Oral Vitamin D Spray on Vitamin D Levels in Division II Collegiate Athletes</i> Mercola	5,797	-	Funded*	5,000
Lambert, Connie CEPS	<i>PEAB Teacher Meeting Support, 2010-11</i> Washington State Professional Educator Standards Board	2,060	-	Funded	2,060
Lambert, Connie CEPS	<i>Teacher Preparation Assessment</i> University of Washington	5,000	-	Funded	5,000
Lupton, Natalie Information Technology & Administrative Management	<i>Information Technology Leadership Development Scholarship Program: Fulfilling the Gap between Supply and Demand, Year 1 of 5</i> National Science Foundation	66,918	-	Not Funded	
Lynn, C. Rexton Educational Foundations & Curriculum	<i>Alternative Pathways to Teaching</i> Washington State Public Educator Standards Board	40,000	-	Pending*	
Madlem, Melody Public Health, Physical Education, School & Public Health	<i>Publication of Washington State Journal of Public Health Practice</i> Washington State Public Health Association	1,000	-	Funded	1,000
O'Neill, John Industrial & Engineering Technology	<i>U.S. Forest Service Facility Safety Inspections</i> U.S. Department of the Interior, U.S. Forest Service	10,000	909	Funded	10,000
Petersen, Naomi Jeffery Educational Foundations & Curriculum	<i>Collaborative Research: An Assessment Toolkit for Interdisciplinary Learning in Geo-sciences and Environmental Sciences, Year 1 of 2</i> National Science Foundation	63,280	9,880	Pending	
Williams, Henry Advanced Programs	<i>PEAB Administrator Meeting Support, 2010-11</i> Washington State Professional Educator Standards Board	1,301	-	Funded	1,301
Total College of Education and Professional Studies		807,321	66,224		554,524

*From prior year

College of the Sciences

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Andrews, Tracy Anthropology	<i>EAGER: Linking Indigenous Knowledge & Science in Puget Sound: Testing & Refining Arctic Models</i> National Science Foundation	19,773	4,217	Funded	19,773
Arango, Clay Biological Sciences	<i>SBIR Phase I: Collaborative Research: Controls on Transport of Energy & Nutrients from Intermittent to Perennial Stream Segments, Year 1 of 4</i> National Science Foundation	97,734	13,248	Not Funded	
Arango, Clay Biological Sciences	<i>URM: Enhancing Undergraduate Research Experiences Through Multi- Institutional Collaborations in Stream Ecology</i> National Science Foundation	104,113	15,000	Not Funded*	
Boersma, Stuart Mathematics	<i>Quantitative Reasoning in the Contemporary World</i> National Science Foundation	14,921	4,047	Pending	
Bohrson, Wendy Geological Sciences	<i>Collaborative Research: Testing Models that Describe the Origin of Compositional Diversity of Subduction Zone Magmatism, Aeolian Islands, Year 3 of 3</i> National Science Foundation	71,101	12,646	Funded*	71,101
Bohrson, Wendy, Geological Sciences; Andy Piacsek, Physics; Lisa Ely, Geological Sciences; Michael Braunstein, Physics	<i>Recruiting & Retaining the Next Generation of STEM Professionals, Year 5 of 5</i> National Science Foundation	191,452	23,864	Pending	
Bohrson, Wendy, Geological Sciences; Andy Piacsek, Physics; Lisa Ely, Geological Sciences; Michael Braunstein, Physics	<i>Recruiting & Retaining the Next Generation of STEM Professionals, Year 4 of 5</i> National Science Foundation	188,888	23,549	Funded	188,888
Chamberland, Stephen Chemistry	<i>The Development of a New Class of Reversible & Selective Factor XIa Inhibitors Based on Clavadinone A for Anticoagulant Therapy, Year 1 of 2</i> Research Corporation	19,000	-	Not Funded	
Dechaine, Jennifer Biological Sciences	<i>GreenSTEM Consortium Mathematics & Science Partnership, Year 1 of 5</i> National Science Foundation	166,088	40,050	Not Funded	

*From prior year

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Dechaine, Jennifer Biological Sciences	<i>A Multigenerational Assessment of the Fate & Impact of Crop Gene Introgression into Wild Sunflower, Years 1-3 of 3</i> University of Georgia/U.S. Department of Agriculture	79,169	17,417	Funded	79,169
Diaz, Anthony Chemistry	<i>RUI: Investigation of Surface Loss Processes in Nano-Scale Luminescent Materials, Year 3 of 3</i> National Science Foundation	57,729	12,115	Funded	57,729
Diaz, Anthony, Chemistry; Anne Johansen, Chemistry; Chris Mattinson, Geological Sciences; Holly Pinkart, Biological Sciences; Dion Rivera, Chemistry	<i>MRI: Acquisition of a Scanning Electron Microscope for the College of the Sciences, CWU, Years 1-3 of 3</i> National Science Foundation	758,809	2,879	Pending	
Egger, Anne Geological Sciences	<i>Regional & Site Assessment of Surprise Valley KGRA & Surprise Valley Hot Springs</i> University of Nevada-Reno/California Energy Commission	23,044	5,597	Not Funded	
Egger, Anne Geological Sciences	<i>Long-Term Earthquake Hazards & Hydrothermal Activity in the Surprise Valley, California, Basin & Range: Critical Insights from UAS, Year 1 of 2</i> U.S. Department of the Interior, Geological Survey/National Aerospace and Space Administration	23,044	5,597	Pending	
Egger, Anne Geological Sciences	<i>InTeGrate: Interdisciplinary Teaching of Geoscience for a Sustainable Future, Year 1 of 5</i> Carleton College/National Science Foundation	36,816	3,114	Pending	
Ferland, Marie Geological Sciences	<i>Vibracoring Project, Continental Shelf Off Columbia River Mouth</i> Washington State Department of Ecology	9,985	1,302	Funded	9,985
Gabriel, Anthony Geography	<i>Monitoring of Yakama Nation Riparian Restoration Sites, Phase 3</i> Yakama Nation	32,018	5,112	Pending	
Gabriel, Anthony Geography	<i>Lake & Marine Aquatic Sampling Protocol--Pilot Project</i> Washington State Department of Natural Resources	9,000	755	Funded	9,000

*From prior year

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Gabriel, Anthony Geography	<i>Monitoring of Yakama Nation Riparian Restoration Sites, Phase 2</i> Yakama Nation	29,992	4,789	Funded*	27,875
Gazis, Carey Geological Sciences	<i>Collaborative Research: WSC-Category 3: Watershed Integrated System Dynamics Modeling (WISDM): Feedbacks Among Biogeochemical Simulations, Stakeholder Perceptions & Behavior</i> National Science Foundation	25,989	4,424	Not Funded*	
Gazis, Carey, Geological Sciences; Jennifer Dechaine, Biological Sciences; Martha Kurtz, Science Education; Ian Quitadamo, Biological Sciences/Science Education; Steven Wagner, Biological Sciences	<i>New, GK-12: Yakima Watershed Activities to Enhance Research in Schools (Yakima WATERS), Year 5 of 5</i> National Science Foundation	566,380	38,384	Funded	566,380
Ge, Yingbin Chemistry	<i>Global Optimization of Passivated Silicon Nanoclusters Using Genetic Algorithms, Year 1 of 2</i> Research Corporation	19,180	-	Not Funded	
Ge, Yingbin Chemistry	<i>Theoretical Study of the Alumina Supported Platinum Cluster Catalyzed Dehydrogenation of Propane, Year 1 of 2</i> American Chemical Society	26,000	-	Not Funded	
Hackenberger, Steve, Anthropology; James Huckabay, Geography	<i>Regional Climate Change Science & Climate Literacy, Columbia & Yakima Rivers: A Central Washington University, NOAA, Yakama Indian Nation, & Bureau of Reclamation Partnership, Year 1 of 5</i> U.S Department of Commerce, National Oceanic & Atmospheric Administration	255,829	44,541	Pending	
Hackenberger, Steve, Anthropology; Lisa Ely, Geological Sciences	<i>RUI: Late Archaic Cultural Change in Western Michoacan, Year 1 of 3</i> National Science Foundation	99,614	12,171	Not Funded	
Huerta, Audrey Geological Sciences	<i>Marie Byrd Land Data Analysis & Geodynamic Modeling, Year 3 of 4</i> Pennsylvania State University/National Science Foundation	48,596	9,594	Funded	48,596

*From prior year

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Huerta, Audrey Geological Sciences	<i>Collaborative Research: Thermochronologic & Modeling Test for a Mesozoic West Antarctic Plateau, Year 3 of 3</i> National Science Foundation	56,911	12,795	Funded	56,911
Irwin, Jason Biological Sciences	<i>Pest Risk Analyses for Temperate Fruit Flies in Exported Fruits, Year 1 of 3</i> U.S. Department of Agriculture, Agricultural Research Service	29,462	-	Pending	
Irwin, Jason Biological Sciences	<i>REU Site: Field & Genetic Studies of Ecological Connectivity across Interstate-90 as Crossing Structures Are Improved, Year 1 of 3</i> National Science Foundation	113,659	11,250	Not Funded	
Jackson, Michael Physics	<i>Enhancing NASA-Related Research & Education Activities at CWU</i> Washington NASA Space Grant Consortium/University of Washington	10,000	-	Pending	
Jackson, Michael Physics	<i>High Resolution Spectroscopy of Stable Molecular Species & Free Radicals, Year 2 of 3</i> National Science Foundation	60,142	7,070	Funded	60,142
Jackson, Michael Physics	<i>Enhancing NASA-Related Research & Education Activities at CWU</i> Washington NASA Space Grant Consortium/University of Washington	20,000	-	Funded*	20,000
Jackson, Michael Physics	<i>Waveguide Gas Lasers for New Applications in Medicine, Ecology & Diagnostic of Climate Processes, Years 1 & 2 of 2</i> U.S. Civilian Research & Development Foundation	11,000	1,000	Not Funded*	
James, Paul, Kris Ernest, Steve Wagner, Daniel Beck, Jason Irwin Biological Sciences	<i>I-90 Snoqualmie East Project Wildlife Monitoring</i> Washington State Department of Transportation	126,014	21,002	Funded*	126,014
James, Paul, Kristina Ernest, Steve Wagner, Daniel Beck Biological Sciences	<i>I-90 Snoqualmie Pass East Low-Mobility Wildlife Monitoring</i> Washington State Department of Transportation	126,073	21,012	Funded	126,073
James, Paul, Steven Wagner, Kristina Ernest, Daniel Beck, Jason Irwin Biological Sciences	<i>Genetic Analyses of Focal Low-Mobility Species with Respect to I-90</i> Seattle City Light	32,000	2,000	Not Funded	

*From prior year

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Johansen, Anne Chemistry	<i>Supplement: RUI: Do DMS & Isoprene Control Iron Bioavailability in Marine Aerosols?</i> National Science Foundation	10,754	2,151	Pending	
Johansen, Anne Chemistry	<i>Acid Rain Analysis in Mt. Rainier National Park, Year 4 of 5</i> U.S. Department of the Interior, National Park Service, Mt. Rainier National Park	15,640	1,422	Funded	15,640
Johnson, James Biological Sciences	<i>Rare Fungi in the Cle Elum Ranger District, Year 1 of 2</i> U.S. Department of the Interior, U.S. Forest Service	6,000	-	Funded*	6,000
Kaspari, Susan Geological Sciences	<i>Impacts of Fire-Emitted Black Carbon in the Cascade Mountains: Implications for Prescribed Fire, Year 1 of 2</i> U.S. Department of the Interior, Bureau of Land Management	66,663	11,111	Not Funded	
Kaspari, Susan Geological Sciences	<i>Collaborative Research: Radiative Effects of Black Carbon & Dust in Snow & Ice on Himalayan Glaciers</i> National Science Foundation	220,886	16,584	Not Funded*	
Kedrowski, Jon Geography	<i>U.S.-Nepal Planning Visit: Initiating New Collaborations & Gathering Data for Social-Ecological Research, Water Quality, & Educational Activities in Sagarmatha National Park</i> National Science Foundation	15,250	-	Pending	
Klyve, Dominic Mathematics	<i>Explicit Bounds in Number Theory, Year 1 of 2</i> National Security Agency	17,259	2,589	Pending	
Kovalerchuk, Boris Computer Science	<i>Data Fusion Based on Combining Geometric & Topological Clues in Context, Year 1 of 2</i> National Geospatial-Intelligence Agency	147,970	39,469	Not Funded*	
Kovalerchuk, Boris Computer Science	<i>Visual Analytics & Data Mining Based on Structural Approach, Year 1 of 3</i> National Science Foundation	149,002	38,946	Not Funded*	
Kroll, Todd Chemistry	<i>Systemic Identification of Protein-Protein Interactions Mediating Induction of Functional Areas in Mammalian Neocortex, Year 2 of 2</i> Research Corporation	17,000	-	Funded	17,000

*From prior year

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Kurtz, Martha, Science Education; Christine Black, Mathematics; Leslie Elsaesser, TEACH; C. Rexton Lynn, Educational Foundations & Curriculum; Timothy Sorey, Chemistry	<i>CWU Noyce Scholarship Program, Year 1 of 5</i> National Science Foundation	62,571	-	Funded*	62,571
Lee, Jeffrey Geological Sciences	<i>Collaborative Research: Testing Channel-Flow Models Using Middle- Crustal Rocks of North Himalayan Gneiss Domes, Year 3 of 3</i> National Science Foundation	40,732	8,885	Funded	40,732
Lee, Jeffrey Geological Sciences	<i>Geologic Mapping along the Western Edge of the Mina Deflection, Nevada: Documenting Fault-Slip Distribution within the Walker Lane Belt</i> U.S. Department of the Interior, U.S. Geological Survey	17,014	2,595	Funded	17,014
Lillquist, Karl Geography	<i>Yakima River Basin Historical Airphotos Acquistion, Preservation, & Access Project</i> Washington State Department of Fish & Wildlife	12,895	-	Not Funded	
Lillquist, Karl Geography	<i>Yakima County Historical Airphoto Acquisition, Preservation & Access Project</i> Legends Casino	10,720	-	Not Funded*	
Lillquist, Karl Geography	<i>Kittitas County Historical Airphoto Acquisition, Preservation & Access Program</i> Washington State Department of Fish & Wildlife	4,120	-	Funded*	4,120
Lillquist, Karl, Geography; Angela Reese, Resource Management graduate student	<i>A Comparative Study of Soil Moisture over a One-Year Period on Cultivated & Conservation Reserve Program Land in Eastern Douglas County, Washington</i> Utah State University/U.S. Department of Agriculture	12,644	-	Not Funded*	
Lipton, Jennifer Geography	<i>Collaborative Research: WSC-Category 2: Tropical Andean Water Sustainability Under a Changing Climate, Year 1 of 5</i> National Science Foundation	63,231	11,656	Not Funded*	

*From prior year

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Lipton, Jennifer Geography	<i>Collaborative Research: Integrated Assessment of 21st Century Changes in Tropical Andean Hydrology, Year 1 of 4</i> National Science Foundation	81,866	14,988	Not Funded*	
McCutcheon, Patrick Anthropology	<i>Saddle Mountains Archaeology Overview Report</i> U.S. Department of the Interior, Bureau of Land Management	12,000	1,565	Funded*	12,000
Melbourne, Timothy Geological Sciences	<i>NSF Plate Boundary Observatory Analysis Center--Continuing Operations, Year 4 of 5</i> UNAVCO, Inc./National Science Foundation	156,278	44,289	Pending	
Melbourne, Timothy Geological Sciences	<i>Continued Operations of the Pacific Northwest Geodetic Array, Year 2 of 5</i> U.S. Department of the Interior, U.S. Geological Survey	76,500	20,090	Funded	76,500
Melbourne, Timothy Geological Sciences	<i>Hazards Mitigation through Real-Time Positioning of the Pacific Northwest Geodetic Array, Year 2 of 3</i> National Aeronautics and Space Administration	191,838	37,378	Funded	191,838
Melbourne, Timothy Geological Sciences	<i>NSF Plate Boundary Observatory Analysis Center--Continuing Operations, Year 3 of 5</i> UNAVCO, Inc./National Science Foundation	156,278	44,289	Funded	156,278
Melbourne, Timothy Geological Sciences	<i>Development of a Real-Time GPS Processing Facility for Cascadia PBO Stations, Year 1 of 2</i> National Science Foundation	119,038	31,947	Not Funded	
Melbourne, Timothy Geological Sciences	<i>Delineating Future Cascadia Megathrust Rupture with Continuous GPS & Seismic Recordings of Episodic Tremor & Slip (ETS): Collaborative Research Between CWU and Miami University</i> U.S. Department of the Interior, U.S. Geological Survey	41,705	9,140	Funded*	44,705
Modave, Francois Computer Science	<i>Public Universities, Year 1 or 3</i> University of Texas--El Paso/National Science Foundation	26,588	7,835	Not Funded*	
Montgomery, Aaron Mathematics	<i>Math 360</i> Yakima Educational Service District	28,296	2,096	Pending	

*From prior year

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Montgomery, Aaron Mathematics	<i>Math 360</i> Yakima Educational Service District	18,100	-	Funded	18,100
Oursland, Mark Mathematics	<i>Math 2.0: Teaching Math in a Technical World</i> University of Washington	9,877	732	Funded	9,877
Pedersen, Lene Anthropology	<i>Integrated Field Research & Spatial Analysis of Multiple Modalities of Political Change, Year 2 of 3</i> National Science Foundation	79,807	18,389	Funded	79,807
Piacsek, Andrew Physics	<i>Modeling & Flight Test Validation of Sonic Boom Focusing</i> Wyle Labs/National Aeronautics and Space Administration	25,020	6,060	Funded*	25,020
Pratt-Sitaula, Beth Geological Sciences/Science Education	<i>Place-Based Climate Change Education Partnership in National Parks & National Wildlife Refuges</i> National Science Foundation	48,326	11,567	Not Funded	
Quitadamo, Ian, Biological Sciences/Science Education; James Johnson, Biological Sciences; Martha Kurtz, Science Education; Carin Thomas, Chemistry	<i>Building Faculty Capacity & Student Critical Thinking to Improve American STEM Competitiveness, Year 1 of 2</i> National Science Foundation	95,146	15,875	Not Funded*	
Quitadamo, Ian, Biological Sciences/Science Education; Martha Kurtz, Science Education; James Johnson, Biological Sciences; Carin Thomas, Chemistry	<i>Using Community-Based Inquiry to Build Faculty Capacity & Student Critical Thinking, Years 1 & 2 of 2</i> National Science Foundation	124,684	21,200	Funded*	199,876
Rivera, Dion Chemistry	<i>Optimization of Oxygen-Sensitive Ink Formulation</i> Sensor, LLC	15,401	3,547	Funded	15,401

*From prior year

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Rivera, Dion Chemistry	<i>RUI: Design & Study of Polyelectrolyte/Surfactant Systems That Can Transport Molecular Cargo to a Polysoap Immobilized at an SiO₂, Year 1 of 3</i> National Science Foundation	74,006	16,131	Not Funded	
Rivera, Dion Chemistry	<i>In Situ Spectroscopic Studies of the Behavior of Polyelectrolyte/ Surfactant Mixtures at the Water/TiO₂ Interface Using Attenuated Total Internal Reflection Fourier Transform Infrared Spectroscopy (ATR-FTIR) & Multivariate Least Squares Data Analysis, Year 3 of 3</i> The Petroleum Research Fund, American Chemical Society	21,700	-	Funded	21,700
Rubin, Charles, Paul Winberry Geological Sciences	<i>Precursory Signals Associated with Glide-Related Snow Avalanches, Snoqualmie Pass, Washington, Year 1 of 3</i> National Science Foundation	42,550	8,785	Pending*	
Rubin, Charles, Susan Kaspari, J. Paul Winberry Geological Sciences	<i>Acquisition of Geophysical Equipment for Integrated Cryospheric Education & Research (G-ICE), Year 1 of 2</i> National Science Foundation	226,498	-	Pending*	
Scoville, Alison Biological Sciences	<i>The Molecular Basis for Epigenetic Inheritance of Trichome Patterning in Mimulus, Year 1 of 3</i> University of Kansas Center for Research Inc./National Science Foundation	38,590	8,202	Funded	38,590
Selski, Daniel, Biological Sciences; Lucinda Carnell, Biological Sciences; James Johnson, Biological Sciences; Holly Pinkart, Biological Sciences; Carin Thomas, Chemistry	<i>MRI: Acquisition of New Fluorescence/DIC Microscope with Computing Station for Research & Student Training, Years 1-3 of 3</i> National Science Foundation	161,483	-	Pending	
Selski, Daniel, Biological Sciences; Lucinda Carnell, Biological Sciences; James Johnson, Biological Sciences; Holly Pinkart, Biological Sciences; Carin Thomas, Chemistry	<i>MRI: Acquisition of New Fluorescence/DIC Microscope with Computing Station for Research & Student Training, Years 1-3 of 3</i> National Science Foundation	203,164	-	Not Funded*	

*From prior year

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Sheeran, Lori, Anthropology; Audrey Huerta, Geological Sciences; Steven Wagner, Biological Sciences; Megan Matheson, Psychology	<i>Primate Research on Behavior & Genetics at the Valley of the Wild Monkeys, Huangshan Scenic District, China: International Research Opportunities for CWU Students, Year 1 of 3</i> National Science Foundation	49,982	-	Funded	49,982
Street, Elizabeth Psychology	<i>Educational Consulting</i> Ellensburg School District	3,000	273	Funded	3,000
Thomas, Carin, Chemistry; Lucinda Carnell, Biological Sciences	<i>Supplemental Request: High Fat Diet & Deficient Antioxidant Status as Contributing Factors to Mitochondrial Dysfunction in C. elegans: Implications for the Onset of Type 2 Diabetes, Year 1 of 2</i> National Institutes of Health	37,840	8,131	Pending	
Thomas, Carin, Chemistry; Lucinda Carnell, Biological Sciences	<i>High Fat Diet & Deficient Antioxidant Status as Contributing Factors to Mitochondrial Dysfunction in C. elegans: Implications for the Onset of Type 2 Diabetes, Year 1 of 3</i> National Institutes of Health	140,712	30,853	Funded*	140,712
Walsh, Megan Geography	<i>Climatic & Human Influences on the Fire & Vegetation History of Subalpine Meadows, Mt. Rainier National Park (Washington)</i> Mazamas	3,435	-	Not Funded	
Winberry, Paul Geological Sciences	<i>Collaborative Research: Glacier Seismicity & Its Relationship to Basal Movement, Year 3 of 3</i> National Science Foundation	37,988	9,848	Pending	
Winberry, Paul Geological Sciences	<i>Collaborative Research: East Antarctic Outlet Glacier Dynamics: Investigations of Beardmore Glacier, Year 1 of 3</i> National Science Foundation	69,644	16,751	Pending	
Winberry, Paul Geological Sciences	<i>Collaborative Research: Numerical Modeling Investigation of Stick-Slip of the Whillans Ice Stream: Implications for Sliding Laws & the Evolution of Ice Streams, Year 1 of 3</i> National Science Foundation	12,876	3,182	Pending	

*From prior year

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Winberry, Paul Geological Sciences	<i>Collaborative Research: Geophysical Study of Ice Stream Stick-Slip Dynamics, Year 2 of 3</i> National Science Foundation	120,610	25,033	Funded	120,610
Winberry, Paul Geological Sciences	<i>Collaborative Research: Glacier Seismicity & Its Relationship to Basal Movement, Year 2 of 3</i> National Science Foundation	20,645	4,545	Funded	20,465
Winberry, Paul Geological Sciences	<i>Collaborative Research: Outlet Glacier Dynamics: Geophysical Experiments & Model Investigations of Mulock Glacier, Antarctica, Year 1 of 3</i> National Science Foundation	70,080	13,742	Not Funded*	
Winberry, Paul Geological Sciences	<i>Collaborative Research: Geophysical Study of Ice Stream Stick-Slip Dynamics, Year 1 of 3</i> National Science Foundation	127,489	27,902	Funded*	70,055
Total College of the Sciences		7,218,916	980,314		2,925,229

Graduate Studies and Research

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Findley, Carol Retired & Senior Volunteer Program	<i>Free Document Shred Events</i> Kittitas County Law & Justice Council	4,882	-	Pending	
Findley, Carol Retired & Senior Volunteer Program	<i>Citizens on Patrol</i> Kittitas County Law & Justice Council	3,207	-	Pending	
Findley, Carol Retired & Senior Volunteer Program	<i>SHIBA Counseling, Community Education & Outreach Activities</i> Washington State Office of the Insurance Commissioner	11,563	-	Pending	

*From prior year

Graduate Studies and Research (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Findley, Carol Retired & Senior Volunteer Program	<i>Fall Prevention Activities</i> South Central Region EMS Trauma Council	1,200	-	Funded	1,200
Findley, Carol Retired & Senior Volunteer Program	<i>Promotion of Manastash Metric Bike Ride</i> City of Ellensburg	1,580	-	Funded	1,185
Findley, Carol Retired & Senior Volunteer Program	<i>Grandparent/Grandchild Summer Safety Fairs</i> Legends Casino	3,000	-	Funded	1,000
Findley, Carol Retired & Senior Volunteer Program	<i>Senior to Senior Project</i> Corporation for National Service	5,000	-	Not Funded	
Findley, Carol Retired & Senior Volunteer Program	<i>SHIBA Counseling, Community Education & Outreach Activities, Years 1 & 2 of 2</i> Washington State Office of the Insurance Commissioner	17,052	-	Funded	17,052
Findley, Carol Retired & Senior Volunteer Program	<i>RSVP of Kittitas County, 2011</i> Corporation for National Service	74,715	2,249	Funded	74,715
Findley, Carol Retired & Senior Volunteer Program	<i>Free Document Shred Days</i> Kittitas County Law & Justice Council	4,882	-	Funded	2,500
Fouts, Deborah Chimpanzee & Human Communication Institute	<i>Chimposium Advertising Expansion</i> Kittitas County	6,500	-	Funded	2,500
Fouts, Roger Graduate Studies & Research	<i>CWU McNair Scholars Program, Year 4 of 4</i> U.S. Department of Education	220,000	12,652	Funded	220,000
Fouts, Deborah, Mary Lee Jensvold Chimpanzee & Human Communication Institute	<i>Chimposium Advertising 2011 Season</i> City of Ellensburg	4,545	-	Funded	3,408
Gabriel, Anthony Center for Spatial Information	<i>Pacific Northwest Regional Geographic Information System Technology Project</i> U.S. Department of Agriculture	129,053	-	Funded*	129,053

*From prior year

Graduate Studies and Research (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Garcia-Hanson, Lisa Bridges Project	<i>Bridges Mentoring Project, Year 1 of 2</i> Washington Campus Compact, Western Washington University	84,000	-	Funded*	82,712
Guggino, Julie Graduate Studies & Research	<i>Okanogan Valley CWU GEAR UP Program, Year 6 of 6</i> U.S. Department of Education	796,000	58,963	Funded	796,000
Jensvold, Mary Lee Chimpanzee & Human Communication Institute	<i>Cognitive Enrichment Position</i> Friends of Washoe	30,000	-	Funded	30,000
Jensvold, Mary Lee Chimpanzee & Human Communication Institute	<i>CHCI Outreach Coordinator Request</i> Friends of Washoe	5,000	-	Funded	5,000
Jensvold, Mary Lee Chimpanzee & Human Communication Institute	<i>Chimpanzee Caregiver Request</i> Friends of Washoe	60,000	-	Funded	60,000
Jensvold, Mary Lee Chimpanzee & Human Communication Institute	<i>Chimpanzee Caregiver Request</i> Friends of Washoe	15,000	-	Funded*	15,000
Total Graduate Studies and Research		1,477,179	73,864		1,441,325

James E. Brooks Library

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Cutright, Patricia Library	<i>Stories for Learning, Laptops for Growing</i> Washington State Library/Institute of Museum & Library Services	18,200	-	Funded*	18,200
James E. Brooks Library		18,200	-		18,200

*From prior year