

**Central Washington University**  
**Annual Report**  
**of**  
**External Grant & Contract Activities**  
**for**  
**July 1, 2011–June 30, 2012**

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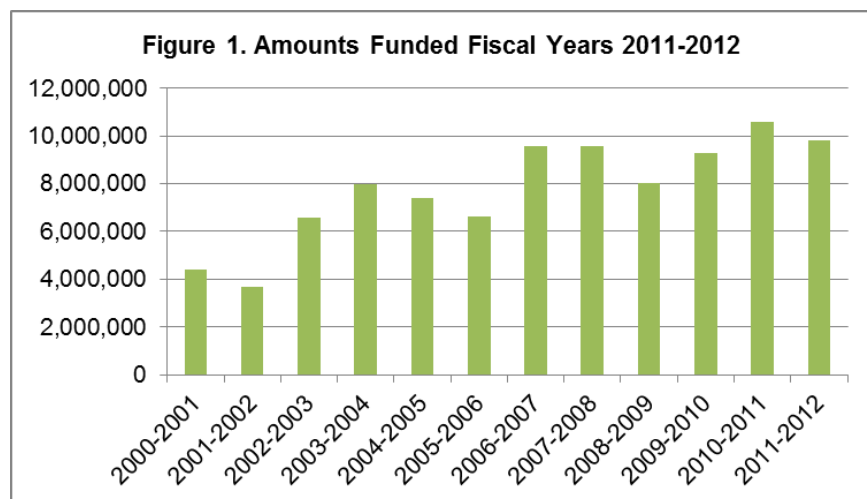
**Graduate Studies & Research**

Compiled & Analyzed by Julie Guggino  
September 2012

## Summary of External Report of Grants and Contracts Activity for July 1, 2011–June 30, 2012

Grants funded during this fiscal year totaled \$9,838,594. Between July 1, 2011 and June 30, 2012, a total of 135 grants were submitted to external funding sources (144 last year) by 70 different faculty and staff (72 last year) requesting a total of \$14,278,650 (\$18,633,749 last year). Of these 135, by June 30, 2012, 87 were funded, 26 were not funded, and 31 were still pending. Twenty-six grants submitted prior to July 1, 2011, but funded during this fiscal year, are included in the \$9,838,594.

Figure 1 shows grant award activity over the past 12 years. The amount funded this year is 7% less than last year's record-breaking award amount of \$10,579,434.



Notable new awards include

- Daniel Selski, Lucinda Carnell, James Johnson, Holly Pinkart (Biological Sciences), and Carin Thomas (Chemistry) received \$161,483 from the National Science Foundation to acquire a new fluorescence/DIC microscope with computing station for research and student training.
- Anne Johansen (Chemistry) received a total of \$317,073 from the National Science Foundation for her three-year project *Environmental & Biologically Relevant Chemical Mechanisms Induced by Carbonaceous Nanoparticles*. The amount funded for Year 1 is \$120,458.
- Mateo Arteaga (Educational Outreach Services) received a total of \$1,315,235 from the U.S. Department of Education for the *Central Washington University's Yakima County Communities Education Opportunity Center*. The amount of funding for Year 1 is \$263,047. It is a five-year program.
- Julie Guggino (Graduate Studies & Research) received a grant totaling \$11,424,000 from the U.S. Department of Education for the *CWU GEAR UP/MOSAIC2 Program: Moving Our Students Academically into College & Careers*. The amount of funding for Year 1 is \$1,632,000. It is a seven-year program.

Continuing awards of note include

- Jerry Connolly (Special Education Technology Center) received \$360,000 from the Washington State Superintendent of Public Instruction to fund the center for one year.
- Geoff Foy (International Studies & Programs) received \$724,725 from Liuzhou People's Municipal Government (China) for this year's *Liuzhou City Masters Cohorts*.
- Nicki Kukar (International Studies & Programs) received \$787,667 from Asia University for this year's *Asia University America Program*.

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

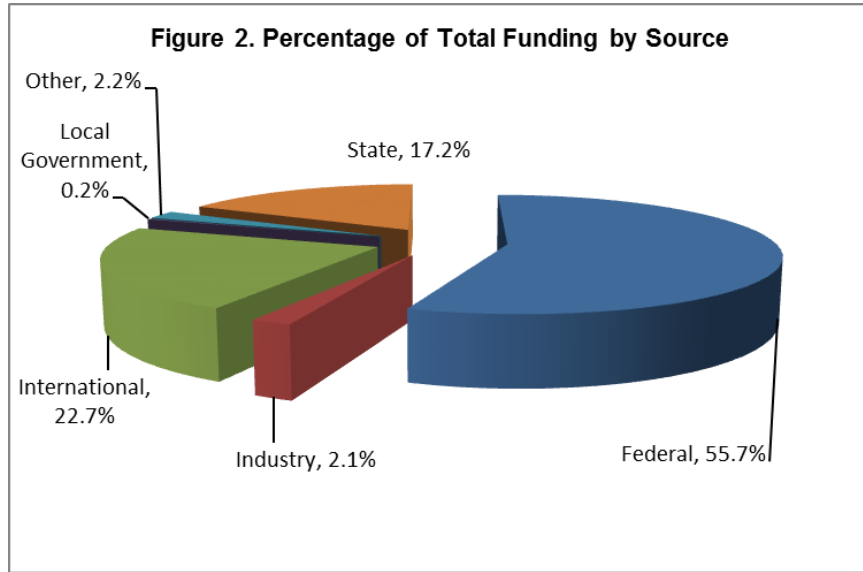


Figure 3 displays the percentage of funding by federal agency. These percentages reflect annual award amounts, not total award amounts. Funding from the U.S. Department of Education totaling \$3,313,578 accounted for 61% of CWU's federal funding, followed by funding from the National Science Foundation totaling \$1,327,102, accounting for 24%.

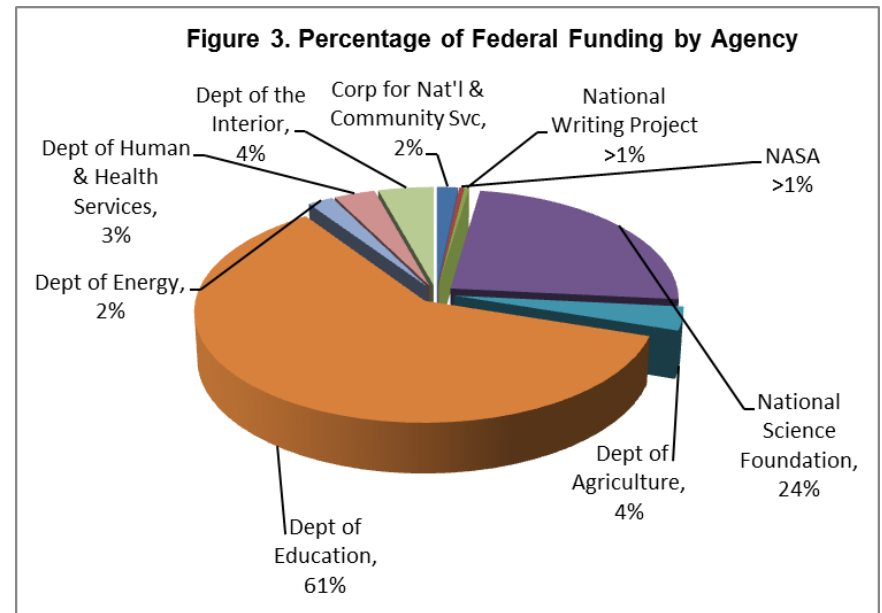
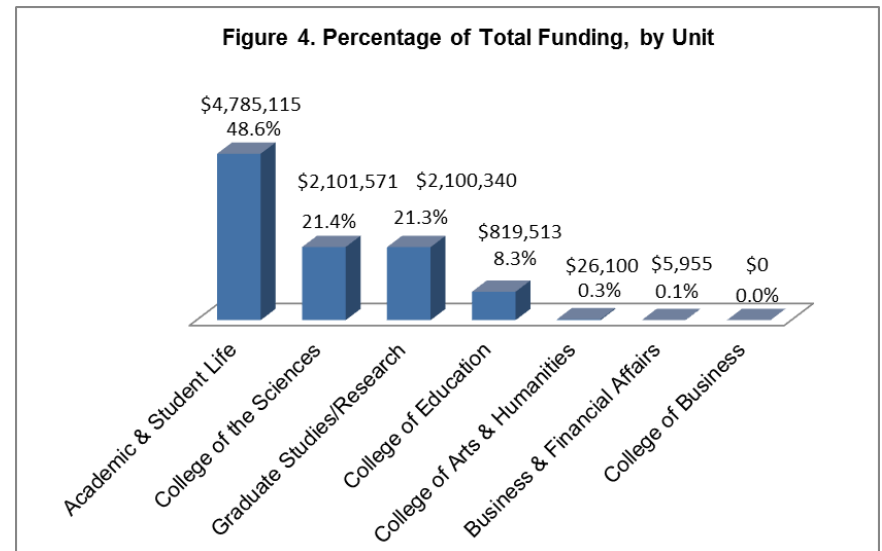


Figure 4 illustrates the proportion of funds generated by the various units on campus. Units within Academic & Student Life accounted for 99.9% of the funds awarded.



## Summary of Grant Activity between July 1, 2011 and June 30, 2012, by Unit

### Number of Grants Submitted

	July 1, 2011–June 30, 2012				Prior to July 1, 2011*			
	Funded	Not Funded	Pending	Total	Funded	Not Funded	Pending	Total
Academic & Student Life	26	3	10	39	9	2	0	11
Business & Financial Affairs	3	1	1	5	0	0	0	0
College of Arts & Humanities	2	0	1	3	1	0	0	1
College of Business	0	0	1	1	0	0	0	0
College of Education & Professional Studies	12	3	2	17	1	2	0	3
College of the Sciences	26	9	12	47	13	7	0	20
Graduate Studies & Research	18	1	4	23	2	1	0	3
<b>Total Number of Grants Submitted</b>	<b>87</b>	<b>17</b>	<b>31</b>	<b>135</b>	<b>26</b>	<b>12</b>	<b>0</b>	<b>38</b>

\*These grants were still pending when the 2010-11 Annual Report was prepared.

### Dollar Amounts of Grants Submitted

	July 1, 2011–June 30, 2012				Prior to July 1, 2011*			
	Funded	Not Funded	Pending	Total	Funded	Not Funded	Pending	Total
Academic & Student Life	3,146,017	51,542	633,727	3,831,286	1,639,098	460,000	0	2,099,098
Business & Financial Affairs	5,955	2,983,324	250,000	3,239,279	0	0	0	0
College of Arts & Humanities	21,100	0	20,000	41,100	5,000	0	0	5,000
College of Business	0	0	197,556	197,556	0	0	0	0
College of Education & Professional Studies	798,327	587,044	27,261	1,412,632	21,186	103,280	0	124,466
College of the Sciences	1,392,844	1,182,327	640,004	3,215,175	708,727	1,329,071	0	2,037,798
Graduate Studies & Research	2,085,827	1,545	421,623	2,508,995	14,513	4,882	0	19,395
<b>Total Dollar Amount of Grants Submitted</b>	<b>7,450,070</b>	<b>4,805,782</b>	<b>2,190,171</b>	<b>14,446,023</b>	<b>2,388,524</b>	<b>1,897,233</b>	<b>0</b>	<b>4,285,757</b>

\*These grants were still pending when the 2010-11 Annual Report was prepared.

### Academic & Student Life

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Anderson, Lorinda Civic Engagement Center	<i>2011-12 Students in Service Mini Grant Program</i> Washington Campus Compact, Western Washington University	2,000	-	Funded	2,000
Arteaga, Mateo, Miriam Bocchetti Educational Outreach Services	<i>Central Washington University College Assistance Migrant Program, Year 2 of 5</i> U.S. Department of Education	424,986	23,377	Funded	424,986
Arteaga, Mateo, Jerry Enriquez Educational Outreach Services	<i>Central Washington University High School Equivalency Program, Year 2 of 5</i> U.S. Department of Education	461,853	34,211	Funded	461,853
Arteaga, Mateo, Miriam Bocchetti Educational Outreach Services	<i>HECB CAMP Supplement, 2011-12</i> Washington State Higher Education Coordinating Board	3,571	-	Funded	3,571
Arteaga, Mateo, Miriam Bocchetti Educational Outreach Services	<i>Dare to Dream Academy: Exploring Your Future</i> Washington State Office of the Superintendent of Public Instruction	68,137	5,037	Funded	76,940
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	Funded*	263,047
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	Not Funded*	
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	Not Funded*	
Arteaga, Mateo Educational Outreach Services	<i>Upward Bound Math &amp; Science Program</i> U.S. Department of Education	230,000	12,148	Pending	
Badgley, Margaret University Centers & Community College Relations	<i>Washington-Oregon Columbia Gorge Project, Year 1 of 3</i> South Central Workforce Council/U.S. Department of Labor	46,869	4,261	Pending	
Charlton, Janie Early Childhood Learning Center	<i>Child &amp; Adult Care Food Program</i> Washington State Office of Superintendent of Public Instruction/U.S. Department of Agriculture	26,380	-	Funded	26,380
Charlton, Janie Early Childhood Learning Center	<i>Child Care Scholarships for Higher Education Students 2011-12</i> Washington State Higher Education Coordinating Board	12,141	-	Funded	12,141
Farmer, Gail Wellness Center	<i>Promoting Awareness of Problem Gambling among College Students</i> Evergreen Council on Problem Gambling	4,197	-	Funded	4,000

\*From prior year

**Academic & Student Life (continued)**

<b>Name Department</b>	<b>Title Agency</b>	<b>Amount Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount Funded</b>
Foy, Geoff International Studies & Programs	<i>Liuzhou City Masters Cohorts, Year 1 of 3</i> Liuzhou People's Municipal Government (China)	412,544	82,117	Funded	724,725
Harden, Rob Disability Services	<i>Accessible Instructional Media (AIM) Project</i> U.S. Department of Education	2,983,324	562,758	Not Funded	
Horowitz, Steve International Studies & Programs	<i>Anhui UESL Program</i> Anhui University	18,400	-	Funded	16,800
Kukar, Nicki International Studies & Programs	<i>Asia University America Program</i> Asia University	787,667	-	Funded	787,667
Launius, Michae International Studies & Programs	<i>Takushoku University UESL Program</i> Takushoku University	47,100	-	Funded*	47,100
Launius, Michae International Studies & Programs	<i>University of Shimane Junior College UESL Program</i> University of Shimane Junior College	36,432	-	Funded*	34,848
Launius, Michae International Studies & Programs	<i>Anhui University UESL Program</i> Anhui University	18,000	2,348	Pending	
Launius, Michael International Studies & Programs	<i>Takushoku University UESL Program</i> Takushoku University	65,105	8,492	Pending	
Launius, Michael International Studies & Programs	<i>University of Shimane Junior College UESL Program</i> University of Shimane Junior College	46,170	6,022	Pending	
MacLeod-Garcia, Linda Student Support Services	<i>TRIO College Access Challenge Grant</i> Washington Campus Compact, Western Washington University	5,000	-	Funded	5,000
MacLeod-Garcia, Linda Student Support Services	<i>Bridges College Access Challenge Grant</i> Washington Campus Compact, Western Washington University	5,000	-	Funded	12,900
McFarlane, Neil Academic Achievement Programs	<i>Bridges &amp; SSS Mentoring Project</i> Washington Campus Compact, Western Washington University	83,324	-	Funded	83,324
McFarlane, Neil Academic Achievement Programs	<i>Bridges Mentoring Project, Year 2 of 2</i> Washington Campus Compact, Western Washington University	40,795	-	Funded*	41,356
McFarlane, Neil Academic Achievement Programs	<i>TRIO Mentoring Project, Year 2 of 2</i> Washington Campus Compact, Western Washington University	40,795	-	Funded*	41,356
McFarlane, Neil Academic Achievement Programs	<i>Student Support Services, Year 2 of 5</i> U.S. Department of Education	290,216	20,779	Funded	290,216

\*From prior year

**Academic & Student Life (continued)**

<b>Name</b> <b>Department</b>	<b>Title</b> <b>Agency</b>	<b>Amount</b> <b>Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount</b> <b>Funded</b>
McFarlane, Neil Academic Achievement Programs	<i>TRIO Mentoring Project</i> Washington Campus Compact, Western Washington University	41,662	-	Pending	
McFarlane, Neil Academic Achievement Programs	<i>Bridges Mentoring Project</i> Washington Campus Compact, Western Washington University	83,324	-	Pending	
Nemeth, Kevin Continuing Education	<i>Liuzhou City Masters Cohorts, Year 2 of 2</i> Liuzhou People's Municipal Government (China)	677,950	-	Funded*	623,714
Pellett, Tracy Academic Affairs	<i>BAS Information Technology &amp; Administrative Management, Year 6 of 7</i> Edmonds Community College/State Board for Community & Technical Colleges	236,000	-	Funded*	215,492
Pellett, Tracy Academic Affairs	<i>BS Interdisciplinary Studies, Social Sciences/BS Social Services, Year 6 of 7</i> Pierce Community College/State Board for Community & Technical Colleges	300,000	-	Funded*	350,000
Scott, Shane Continuing Education	<i>Big Eddy-Knight Archaeological Mapping</i> U.S. Department of Energy, Bonneville Power Administration	2,240	388	Funded	2,240
Scott, Shane Continuing Education	<i>Big-Eddy-Knight Goldendale Substation Survey</i> U.S. Department of Energy, Bonneville Power Administration	10,490	2,603	Funded	10,490
Scott, Shane Continuing Education	<i>Survey of the Shaake &amp; Wenas Creek Properties</i> U.S.D.I., Bureau of Reclamation	23,700	4,954	Funded	13,078
Scott, Shane Continuing Education	<i>Grant County P.U.D. Cultural Resource Services</i> Grant County P.U.D.	25,527	3,330	Funded	25,000
Scott, Shane Continuing Education	<i>Oak Creek Archaeological Investigation</i> The Nature Conservancy	18,670	4,632	Funded	22,990
Scott, Shane Continuing Education	<i>Condit Dam Decommissioning</i> Kleinfelder West, Inc.	63,000	15,632	Funded	63,000
Scott, Shane Continuing Education	<i>Condit Dam Decommissioning</i> Kleinfelder West, Inc.	11,383	2,824	Funded	11,383
Scott, Shane Continuing Education	<i>No. 9 Coal Mine Work</i> Suncadia, LLP	7,980	1,980	Funded	7,980
Scott, Shane Continuing Education	<i>Swiftwater Archaeological Monitoring</i> Swiftwater Cellars	3,395	842	Funded	3,395
Scott, Shane Continuing Education	<i>Sinlahekin Archaeological Survey</i> Washington State Department of Fish & Wildlife	34,958	6,370	Funded	34,958

\*From prior year

**Academic & Student Life (continued)**

<b>Name Department</b>	<b>Title Agency</b>	<b>Amount Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount Funded</b>
Scott, Shane Continuing Education	<i>Sinlahekin Archaeological Investigation</i> Washington State Department of Fish & Wildlife	23,165	3,861	Funded	19,000
Scott, Shane Continuing Education	<i>enXco Section 24 Survey</i> enXco	22,185	5,505	Funded*	22,185
Scott, Shane Continuing Education	<i>3 Bar G#1 Wind Tower &amp; Associated Infrastructure</i> Cascade Community Wind LLC	9,300	2,307	Not Funded	
Scott, Shane Continuing Education	<i>Columbia Plateau Survey</i> Columbia Windfarm LLC	38,037	9,438	Not Funded	
Scott, Shane Continuing Education	<i>Condit Dam Decommissioning</i> Kleinfelder West, Inc.	4,205	1,043	Not Funded	
Scott, Shane Continuing Education	<i>Yakima Training Center Archaeological Mitigation of MacDonald Spring</i> U.S. Army Corps of Engineers	50,000	12,038	Pending	
Scott, Shane Continuing Education	<i>Shaake Archaeological Investigation</i> U.S.D.I., Bureau of Reclamation	8,541	1,114	Pending	
Scott, Shane Continuing Education	<i>Chelan County P.U.D. Archaeological Monitoring</i> Chelan County P.U.D.	44,056	10,831	Pending	
<b>Total Academic &amp; Student Life</b>		<b>8,630,710</b>	<b>905,385</b>		<b>4,785,115</b>

**Business & Financial Affairs**

<b>Name Department</b>	<b>Title Agency</b>	<b>Amount Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount Funded</b>
Luvera, Michael Campus Police	<i>Purchase of Alco-Sensor FST's</i> Washington Traffic Safety Commission	937	-	Funded	800
Luvera, Michael Campus Police	<i>High Visibility Enforcement Traffic Safety Emphasis Patrols</i> Washington Traffic Safety Commission	3,530	-	Funded	2,155
Luvera, Michael Campus Police	<i>Overtime Funding for the DUI Task Force</i> Kittitas County Community Public Health & Safety Network & Kittitas County Traffic Safety	3,000	-	Funded	3,000

\*From prior year



**Business & Financial Affairs (continued)**

<b>Name Department</b>	<b>Title Agency</b>	<b>Amount Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount Funded</b>
Vertrees, Bil, Barry Carothers, Bill Yarwood, Facilities Management; Clay Arango, Geography	<i>Wilson Creek West Branch Restoration</i> Washington Department of Ecology	250,000	4,885	Pending	
<b>Total Business &amp; Financial Affairs</b>		<b>257,467</b>	<b>4,885</b>		<b>5,955</b>

**College of Arts & Humanities**

<b>Name Department</b>	<b>Title Agency</b>	<b>Amount Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount Funded</b>
Cummings, Bobby English	<i>Teacher Leadership Development SEED Grant</i> National Writing Project	20,000	1,000	Funded	20,000
Cummings, Bobby English	<i>Professional Development in a High-Need School</i> National Writing Project	20,000	-	Pending	
Hall, Raymond Africana/Black Studies	<i>African American Migration to the Roslyn, Washington Coal Field, 1888-1910: Forging Identity &amp; Community through Adversity</i> National Trust for Historic Preservation	5,000	-	Funded*	5,000
Smith, Bret Music	<i>String Project Site, Year 5 of 5</i> National String Project Consortium	1,100	-	Funded	1,100
<b>Total College of Arts &amp; Humanities</b>		<b>46,100</b>	<b>1,000</b>		<b>26,100</b>

**College of Business**

<b>Name Department</b>	<b>Title Agency</b>	<b>Amount Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount Funded</b>
Savoian, Roy Institute for Innovation & Entrepreneurship	<i>Central Washington's Regional EDA University Center for Wind &amp; Wine, Year 1 of 5</i> U.S. Department of Commerce	197,556	32,926	Pending	
<b>Total College of Business</b>		<b>197,556</b>	<b>32,926</b>		<b>-</b>

\*From prior year

### College of Education & 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	Funded*	21,186
Bergman, Ethan, Linda Cashman, Nutrition, Exercise & Health Sciences; Tim Englund, Mathematics	<i>Healthier U.S. School Challenge Comparison of School Lunches &amp; Lunches Brought from Home</i> U.S.D.A., National Food Service Management Institute	109,408	15,897	Funded	109,534
Carrothers, Carol Deaf & Hard of Hearing Services	<i>Disability Services, 2011-12</i> North Central E.S.D.	168,414	12,475	Funded	168,414
Carrothers, Carol Deaf & Hard of Hearing Services	<i>Deaf Fiesta</i> Washington State Center for Deafness & Hearing Loss	3,570	-	Funded	4,000
Carrothers, Carol Deaf & Hard of Hearing Services	<i>Spring Family Retreat</i> Washington State Center for Deafness & Hearing Loss	3,570	-	Funded	12,000
Connolly, Jerry Special Education Technology Center	<i>Special Education Technology Center, 2011-12</i> Washington State Superintendent of Public Instruction	360,000	26,667	Funded	360,000
Gee, David Nutrition, Exercise & Health Sciences	<i>Analysis of National Health &amp; Nutrition Examination Survey (NHANES) Data</i> U.S. Department of Human & Health Services	16,309	-	Funded	16,309
Lambert, Connie Center for Teaching & Learning	<i>PEAB Teacher Meeting Support, 2011-12</i> Washington State Professional Educator Standards Board	1,930	-	Funded	1,930
Lambert, Connie Center for Teaching & Learning	<i>PEAB Administrator Meeting Support, 2011-12</i> Washington State Professional Educator Standards Board	1,390	-	Funded	1,390
Lambert, Connie, James DePaepe Center for Teaching & Learning	<i>The Central Corridor Common Core Professional Development Partnership, Year 1 of 3</i> Washington State Higher Education Coordinating Board/Washington State Office of the Superintendent of Public Instruction	468,109	34,675	Not Funded	
Lupton, Natalie Information Technology & Administrative Management	<i>What Is Happiness?</i> National Endowment for the Humanities	25,000	6,225	Not Funded	
Lupton, Natalie, Information Technology & Administrative Management; Clay Arango, Geography	<i>Changing the Rules of the Game: Investigating the Feasibility of Integrating an Environmental Science Curriculum into a Social Networking Gaming Platform for Young Children, Year 1 of 2</i> National Science Foundation	93,935	24,555	Not Funded	

\*From prior year

**College of Education & Professional Studies (continued)**

<b>Name Department</b>	<b>Title Agency</b>	<b>Amount Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount Funded</b>
Lynn, C. Rexton Educational Foundations & Curriculum	<i>Alternative Pathways to Teaching</i> Washington State Public Educator Standards Board	40,000	-	Not Funded*	
Madlem, Melody Physical Education, School & Public Health	<i>Publication of Washington State Journal of Public Health Practices</i> Washington State Public Health Association	1,000	-	Funded	1,000
Pearson, Rebecca Physical Education, School & Public Health	<i>Community Health Assessments</i> Kittitas County Public Health Department	5,000	-	Funded	1,750
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	Not Funded*	
Pringle, Charles Engineering Technologies, Safety & Construction	<i>Permanent Magnet Rim Drive Generator</i> Hydrovolts, Inc.	50,000	6,522	Funded	50,000
Rajendran, Sathy Engineering Technologies, Safety & Construction	<i>GEW Confined Space, OSHA 30, &amp; Rigging Program Update</i> GEW, LLC	1,290	90	Pending	
Spybrook, Janet Language, Literacy & Special Education	<i>Central Washington University Professional Opportunities for Early Intervention Teacher Scholars (POEITS), Year 1 of 3</i> U.S. Department of Education	25,971	1,924	Pending	
Whelan, Michael Engineering Technologies, Safety & Construction	<i>Ellensburg Renewable Energy Park Data Collection &amp; Analysis</i> City of Ellensburg/Battelle Memorial Institute/U.S. Department of Energy	72,000	9,391	Funded	72,000
<b>Total College of Education &amp; Professional Studies</b>		<b>1,535,030</b>	<b>153,430</b>		<b>819,513</b>

**College of the Sciences**

<b>Name Department</b>	<b>Title Agency</b>	<b>Amount Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount Funded</b>
Arango, Clay, Anthony Gabriel, Geography	<i>Wapato Reach Assessment Phase II</i> ICF Jones & Stokes, LLC	88,974	22,324	Funded	3,695

\*From prior year

**College of the Sciences (continued)**

<b>Name</b> <b>Department</b>	<b>Title</b> <b>Agency</b>	<b>Amount</b> <b>Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount</b> <b>Funded</b>
Arango, Clay Geography	<i>Physical &amp; Biological Controls on Quality &amp; Quantity of Material Exported from Intermittent Streams, Year 1 of 4</i> University of Central Arkansas/National Science Foundation	78,568	13,282	Not Funded	
Bethke, Lynn Anthropology	<i>Costume &amp; Textile Storage Mounts for the Museum of Culture &amp; Environment</i> Costume Society of America	1,493	-	Not Funded	
Boersma, Stuart Mathematics	<i>Quantitative Reasoning in the Contemporary World</i> National Science Foundation	14,921	4,047	Funded*	14,921
Bohrson, Wendy, Lisa Ely, Geological Sciences; Andy Piacsek, Michael Braunstein, Physics	<i>Recruiting &amp; Retaining the Next Generation of STEM Professionals, Year 5 of 5</i> National Science Foundation	191,452	23,864	Funded*	191,452
Bowen, John Geography	<i>Collaborative Research/RUI : Landscapes, Livelihoods, &amp; Externalities in Global Air Cargo Hubs, Year 1 of 3</i> National Science Foundation	28,464	3,993	Not Funded	
Braunstein, Michael Physics	<i>Optics Equipment for CWU Physics Department</i> Edmund Optics	10,000	-	Pending	
Chueh, Yvonne Mathematics	<i>Bringing Open-Source Applications to Actuarial Science: Developing the AMOOF-BMLE Platform</i> The Actuarial Foundation	28,325	-	Funded	19,000
Diaz, Anthony, Anne Johansen, Dion Rivera, Chemistry; Chris Mattinson, Holly Pinkart, Biological Sciences	<i>MRI: Acquisition of a Scanning Electron Microscope for the College of the Sciences, Central Washington University, Years 1-3 of 3</i> National Science Foundation	610,638	-	Not Funded	
Diaz, Anthony, Anne Johansen, Dion Rivera, Chemistry; Chris Mattinson, Holly Pinkart, Biological Sciences	<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	Not Funded*	
Egger, Anne Geological Sciences	<i>Volcano-Tectonic History of the Northern Warner Range, Northeastern California</i> U.S.D.I., Geological Survey/NASA	17,500	2,669	Funded	17,500
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	Funded*	16,816

\*From prior year

**College of the Sciences (continued)**

<b>Name</b> <b>Department</b>	<b>Title</b> <b>Agency</b>	<b>Amount Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount Funded</b>
Egger, Anne Geological Sciences	<i>Long-Term Earthquake Hazards &amp; Hydrothermal Activity in the Surprise Valley, California, Basin &amp; Range: Critical Insights from UAS</i> U.S.D.I., Geological Survey/NASA	54,560	11,084	Funded*	54,560
Ely, Lisa Geological Sciences	<i>Collaborative Research: Subduction Zone Segmentation over Multiple Seismic Cycles, South-Central Chile, Year 1 of 3</i> National Science Foundation	64,210	8,945	Funded	64,210
Gabriel, Anthony Geography	<i>Kittitas County SMP Update Ecosystem Characterization</i> Environmental Science Associates	25,000	6,203	Funded	25,000
Gabriel, Anthony Geography	<i>Lake &amp; Marine Aquatic Sampling Protocol, Phase 2</i> Washington State Department of Natural Resources	99,925	16,154	Funded	75,000
Gabriel, Anthony Geography	<i>Monitoring of Yakama Nation Riparian Restoration Sites, Phase 3</i> Yakama Nation	32,018	5,112	Funded*	32,018
Ge, Yingbin Chemistry	<i>Theoretical Study of the Platinum Cluster Catalyzed Dehydrogenation of Propane, Year 1 of 3</i> American Chemical Society	23,720	-	Pending	
Hackenberger, Steve Anthropology	<i>Tryon Creek Archaeological Collection</i> U.S. Department of Agriculture, National Forest Service, Wallowa-Whitman National Forest	2,400	313	Funded	2,400
Hackenberger, Steve, Anthropology; James Huckabay, Geography	<i>Regional Climate Change Science &amp; Climate Literacy, Columbia &amp; Yakima Rivers: A Central Washington University, NOAA, Yakama Indian Nation, &amp; Bureau of Reclamation Partnership, Year 1 of 5</i> U.S. Department of Commerce, National Oceanic & Atmospheric Administration	255,829	44,541	Not Funded*	
Hackenberger, Steve Anthropology	<i>Rewriting the Early Colonial History of Michoacan, Mexico (1510-1550), Years 1-3 of 3</i> California State University, Fullerton/NEH	18,590	-	Pending	
Hickey, Robert Geography	<i>Summer UFC President Support</i> United Faculty Central	3,000	143	Funded	3,000
Hickey, Robert Geography	<i>Summer UFC President Support</i> United Faculty Central	3,000	143	Pending	
Huerta, Audrey Geological Sciences	<i>Marie Byrd Land Data Analysis &amp; Geodynamic Modeling, Year 4 of 4</i> Pennsylvania State University/National Science Foundation	40,245	8,870	Funded	40,245
Huerta, Audrey, Paul Winberry Geological Sciences	<i>Collaborative Research: POLENET Antarctica: Investigating Links Between Geodynamics &amp; Ice Sheets, Phase 2, Year 1 of 5</i> National Science Foundation	103,343	20,115	Pending	

\*From prior year

**College of the Sciences (continued)**

<b>Name</b> <b>Department</b>	<b>Title</b> <b>Agency</b>	<b>Amount</b> <b>Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount</b> <b>Funded</b>
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	-	Funded*	29,462
Jackson, Michael Physics	<i>High Resolution Spectroscopy of Stable Molecular Species &amp; Free Radicals, Year 3 of 3</i> National Science Foundation	60,142	7,070	Funded	60,142
Jackson, Michael Physics	<i>Enhancing NASA-Related Research &amp; Education Activities at CWU</i> Washington NASA Space Grant Consortium/University of Washington	10,000	-	Funded	10,000
Jackson, Michael Physics	<i>Enhancing NASA-Related Research &amp; Education Activities at CWU</i> Washington NASA Space Grant Consortium/University of Washington	10,000	-	Funded*	10,000
Jackson, Michael Physics	<i>Enhancing NASA-Related Research &amp; Education Activities at CWU</i> Washington NASA Space Grant Consortium/University of Washington	10,000	-	Pending	
James, Paul, Steven Wagner, Kristina Ernest Biological Sciences	<i>Low-Mobility Wildlife Monitoring for the I-90 Snoqualmie Pass East Project</i> Washington State Department of Transportation	128,397	21,400	Funded	128,397
James, Paul Biological Sciences	<i>Ellensburg Urban Stream Fish Passage Assessment</i> Mid-Columbia Fisheries Enhancement Group	4,578	597	Pending	
Johansen, Anne Chemistry	<i>RUI: Environmental &amp; Biologically Relevant Chemical Mechanisms Induced by Carbonaceous Nanoparticles, Year 1 of 3</i> National Science Foundation	120,458	23,818	Funded	120,458
Johansen, Anne Chemistry	<i>Monitoring &amp; Studying the Effects of Atmospheric Deposition &amp; Other Water Quality Threats to Parks in the North Coast and Cascade Network</i> U.S Department of the Interior, National Park Service, Mt. Rainier National Park	12,440	1,131	Funded	13,560
Johansen, Anne Chemistry	<i>Acid Rain Analysis in Mt. Rainier National Park</i> U.S. Department of the Interior, National Park Service, Mt. Rainier National Park	14,290	1,356	Funded	14,290
Kaspari, Susan, Carey Gazis Geological Sciences	<i>Response of River Runoff to Black Carbon in Snow &amp; Ice in Washington State</i> U.S. Department of the Interior, U.S. Geological Survey & State of Washington Water Research Center	27,000	-	Funded	27,000
Kedrowski, Jon Geography	<i>U.S.-Nepal Planning Visit: Initiating New Collaborations &amp; Gathering Data for Social-Ecological Research, Water Quality, &amp; Educational Activities in Sagarmatha National Park</i> National Science Foundation	15,250	-	Not Funded*	
Klyve, Dominic Mathematics	<i>Explicit Bounds in Number Theory, Year 1 of 2</i> National Security Agency	17,259	2,589	Not Funded*	

\*From prior year

**College of the Sciences (continued)**

<b>Name</b> <b>Department</b>	<b>Title</b> <b>Agency</b>	<b>Amount Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount Funded</b>
Kurtz, Martha, Science Education; Janet Shiver, Christine Black, Mathematics; Timothy Sorey, Chemistry; Jan Byers-Kirsch, Educational Foundations & Curriculum	<i>CWU Noyce Scholarship Program, Year 2 of 5</i> National Science Foundation	366,836	-	Funded	366,836
Lorenz, Joseph, Anthropology; Jennifer Dechaine, Alison Scoville, Biological Sciences; Megan Walsh, Geography	<i>MRI: Acquisition of a 454 Sequencing GS Junior for Research &amp; Undergraduate Training in Genomics, Years 1-3 of 3</i> National Science Foundation	153,440	-	Not Funded	
Mattinson, Chris Geological Sciences	<i>Thermal Structure of a Long-Lived Ultrahigh-Pressure Terrane, North Qaidam, Northwest China, Year 1 of 3</i> National Science Foundation	73,301	13,760	Pending	
Melbourne, Timothy Geological Sciences	<i>Continued Operations of the Pacific Northwest Geodetic Array, Year 3 of 5</i> U.S.D.I., U.S. Geological Survey	78,030	20,510	Funded	78,030
Melbourne, Timothy Geological Sciences	<i>National Science Foundation Plate Boundary Observatory Analysis Center, Continuing Operations, Year 4 of 5</i> UNAVCO, Inc./National Science Foundation	156,278	44,289	Funded*	24,232
Melbourne, Timothy Geological Sciences	<i>Collaborative Research: Investigations into Integrated GPS/Seismic Networks for Full Spectrum Characterization of Earthquakes, Year 1 of 3</i> National Science Foundation	102,225	27,225	Not Funded	
Melbourne, Timothy Geological Sciences	<i>Geodasy Advancing Geosciences &amp; Earthscope, Year 1 of 5</i> UNAVCO, Inc./National Science Foundation	146,000	40,160	Pending	
Montgomery, Aaron Mathematics	<i>Quantitative Literacy &amp; Reasoning Assessment</i> Bowdoin College/National Science Foundation	10,000	-	Funded	3,000
Montgomery, Aaron Mathematics	<i>Math 360</i> Educational Service District 105, Yakima	28,296	2,096	Funded*	28,296
Oursland, Mark Mathematics	<i>Math 2.0: Teaching Math in a Technical World, Year 3 of 3</i> University of Washington	10,214	757	Funded	10,214
Palmquist, Bruce Physics	<i>Enhancing Physics Teacher Education at CWU, Year 1 of 3</i> Physics Teacher Education Coalition	13,257	2,628	Pending	
Pedersen, Lene Anthropology	<i>Integrated Field Research &amp; Spatial Analysis of Multiple Modalities of Political Change, Year 3 of 3</i> National Science Foundation	44,071	10,058	Funded	44,071

\*From prior year

**College of the Sciences (continued)**

<b>Name Department</b>	<b>Title Agency</b>	<b>Amount Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount Funded</b>
Pratt-Sitaula, Beth Geological Sciences	<i>Collaborative Research: Featuring EarthScope in Coastal Cascadia Earthquake &amp; Tsunami Hazards Education by Linking Teachers, Interpreters, &amp; Emergency Managers</i> National Science Foundation	74,677	6,479	Not Funded	
Rivera, Dion Chemistry	<i>Optimization of Oxygen Sensitive Ink Formulation</i> Sensor, LLC	22,020	9,315	Funded	15,226
Rivera, Dion Chemistry	<i>RUI: Design &amp; Study of Polyelectrolyte/Surfactant Systems That Can Transport Molecular Cargo to a Polysoap Immobilized at an SiO<sub>2</sub>, Year 1 of 3</i> National Science Foundation	64,502	15,345	Not Funded	
Rivera, Dion, Anthony Diaz, JoAnn Peters Chemistry	<i>RUI: Acquisition of X-ray Instrumentation to Innovate the Undergraduate Chemistry Curriculum at Central Washington University, Years 1 &amp; 2 of 2</i> National Science Foundation	193,599	-	Pending	
Rubin, Charles, Susan Kaspari, Paul Winberry Geological Sciences	<i>Acquisition of Geophysical Equipment for Integrated Cryospheric Education &amp; Research (G-ICE), Year 1 of 2</i> National Science Foundation	226,498	-	Not Funded*	
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	Not Funded*	
Scoville, Alison Biological Sciences	<i>The Molecular Basis for Epigenetic Inheritance of Trichome Patterning in Mimulus, Year 2 of 3</i> National Science Foundation/University of Kansas Center for Research Inc.	41,092	8,655	Funded	41,092
Selski, Daniel, Lucinda Carnell, James Johnson, Holly Pinkart, Biological Sciences; Carin Thomas, Chemistry	<i>MRI: Acquisition of New Fluorescence/DIC Microscope with Computing Station for Research &amp; Student Training, Years 1-3 of 3</i> National Science Foundation	161,483	-	Funded*	161,483
Szeliga, Walter Geological Sciences	<i>DESdynI Science Definition Team Membership, Year 1 of 3</i> NASA	68,320	17,820	Not Funded	
Thomas, Carin, Chemistry; Lucinda Carnell, Biological Sciences	<i>High Fat Diet &amp; Deficient Antioxidant Status as Contributing Factors to Mitochondrial Dysfunction in C. elegans: Implications for the Onset of Type 2 Diabetes, Year 2 of 3</i> NIH	122,001	32,460	Funded	122,001
Thomas, Carin, Chemistry; Lucinda Carnell, Biological Sciences	<i>Supplemental Request: High Fat Diet &amp; 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> NIH	37,840	8,131	Funded*	37,840

\*From prior year



**College of the Sciences (continued)**

<b>Name</b> <b>Department</b>	<b>Title</b> <b>Agency</b>	<b>Amount</b> <b>Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount</b> <b>Funded</b>
Wagner, R. Steven, Paul James, Kristina Ernest, Biological Sciences; Joseph Lorenz, Anthropology	<i>Assessing Population Connectivity of Low-Mobility Vertebrates in the Cascades Using a Landscape Genetic Approach, Years 1 &amp; 2 of 2</i> Seattle City Light	40,616	5,298	Pending	
Walsh, Megan Geography	<i>Climatic Variability &amp; Its Influences on the Fire &amp; Vegetation History of Subalpine Meadows, Mt. Rainier National Park</i> University of Washington/U.S. Department of the Interior, National Park Service	17,980	-	Funded	17,980
Winberry, Paul Geological Sciences	<i>Collaborative Research: Geophysical Study of Ice Stream Stick-Slip Dynamics, Year 3 of 3</i> National Science Foundation	70,497	18,025	Funded	70,497
Winberry, Paul Geological Sciences	<i>Collaborative Research: Glacier Seismicity &amp; Its Relationship to Basal Movement, Year 3 of 3</i> National Science Foundation	37,988	9,848	Funded*	38,003
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	Funded*	69,644
Winberry, Paul Geological Sciences	<i>Collaborative Research: Numerical Modeling Investigation of Stick-Slip of the Whillans Ice Stream: Implications for Sliding Laws &amp; the Evolution of Ice Streams, Year 1 of 3</i> National Science Foundation	12,876	3,182	Not Funded*	
<b>Total College of the Sciences</b>		<b>5,537,207</b>	<b>577,333</b>		<b>2,101,571</b>

**Graduate Studies & Research**

<b>Name</b> <b>Department</b>	<b>Title</b> <b>Agency</b>	<b>Amount</b> <b>Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount</b> <b>Funded</b>
Cohen, Ken Gladmar Project	<i>Gladmar Park Salmon Habitat Restoration</i> Washington State Department of Fish & Wildlife	7,200	-	Pending	
Findley, Carol Retired & Senior Volunteer Program	<i>RSVP Program Support</i> Combined Federal Campaign	5,046	-	Funded	5,046

\*From prior year

**Graduate Studies & Research (continued)**

<b>Name</b>	<b>Title</b>	<b>Amount Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount Funded</b>
<b>Department</b>	<b>Agency</b>				
Findley, Carol Retired & Senior Volunteer Program	<i>RSVP of Kittitas County, 2012</i> Corporation for National Service	59,772	1,992	Funded	59,772
Findley, Carol Retired & Senior Volunteer Program	<i>Volunteer Generation Fund Year 2 Grant</i> Volunteer Centers of Washington/Corporation for National and Community Service	8,323	-	Funded	8,323
Findley, Carol Retired & Senior Volunteer Program	<i>RSVP Capacity Building Project</i> 501 Commons	4,475	-	Funded	4,475
Findley, Carol Retired & Senior Volunteer Program	<i>Marketing Material for Manastash Metric Bike Ride 2012</i> City of Ellensburg	2,244	-	Funded	1,683
Findley, Carol Retired & Senior Volunteer Program	<i>Emergency Disaster Packs for Older Adults</i> Legends Casino	3,300	-	Funded	2,500
Findley, Carol Retired & Senior Volunteer Program	<i>Maintaining &amp; Increasing Senior Involvement, Year 1 of 2</i> Washington Association of Retired Senior Volunteer Program Directors/Washington State Department of Community, Trade & Economic Development	27,919	-	Funded	13,959
Findley, Carol Retired & Senior Volunteer Program	<i>SHIBA Medicare Fraud Counseling</i> Washington State Office of the Insurance Commissioner	4,300	-	Funded	4,300
Findley, Carol Retired & Senior Volunteer Program	<i>SHIBA Medicare Fraud Counseling, Years 1 &amp; 2 of 2</i> Washington State Office of the Insurance Commissioner	12,128	-	Funded	12,128
Findley, Carol Retired & Senior Volunteer Program	<i>SHIBA Counseling, Community Education &amp; Outreach Activities</i> Washington State Office of the Insurance Commissioner	11,563	-	Funded*	12,013
Findley, Carol Retired & Senior Volunteer Program	<i>Citizens on Patrol</i> Kittitas County Law & Justice Council	3,207	-	Funded*	2,500
Findley, Carol Retired & Senior Volunteer Program	<i>Promoting 2012 Manastash Metric Bike Ride</i> Kittitas County	1,545	-	Not Funded	

\*From prior year

**Graduate Studies & Research (continued)**

<b>Name</b>	<b>Title</b>	<b>Amount Requested</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount Funded</b>
<b>Department</b>	<b>Agency</b>				
Findley, Carol Retired & Senior Volunteer Program	<i>Free Document Shred Events</i> Kittitas County Law & Justice Council	4,882	-	Not Funded*	
Findley, Carol Retired & Senior Volunteer Program	<i>Health Care Insurance Outreach, Education &amp; Advocacy</i> Washington State Office of the Insurance Commissioner	18,841	-	Pending	
Guggino, Julie Graduate Studies & Research	<i>CWU GEAR UP: Project MOSAIC2, Year 1 of 7</i> U.S. Department of Education	1,632,000	120,889	Funded	1,632,000
Hendrickson, Bonita Chimpanzee & Human Communication Institute	<i>CHCI Outreach Assistant Request</i> Friends of Washoe	8,607	-	Funded	8,607
Jensvold, Mary Lee Chimpanzee & Human Communication Institute	<i>Promoting 2012 Chimposiums</i> City of Ellensburg	8,463	-	Funded	7,543
Jensvold, Mary Lee Chimpanzee & Human Communication Institute	<i>Promoting 2012 Chimposiums</i> Kittitas County	6,500	-	Funded	2,000
Jensvold, Mary Lee Chimpanzee & Human Communication Institute	<i>Chimpanzee Caregiver Fall 2012 Graduate Assistant</i> Friends of Washoe	3,277	-	Funded	3,277
Jensvold, Mary Lee Chimpanzee & Human Communication Institute	<i>Chimpanzee Caregiver Maternity Relief Request</i> Friends of Washoe	3,232	-	Funded	3,232
Jensvold, Mary Lee Chimpanzee & Human Communication Institute	<i>Chimpanzee Caregiver Request</i> Friends of Washoe	43,780	-	Funded	43,780
Jensvold, Mary Lee, Chimpanzee & Human Communication Institute; Patricia Cutright, Library	<i>Data Inventory, Preservation, &amp; Access Project</i> Lounsbery Foundation	60,022	7,829	Funded	60,022
Plouse, Tracy MOSAIC2/GEAR UP	<i>Data Utilization Grant, Years 1 &amp; 2 of 2</i> RTI International/Research Triangle Institute	175,582	13,006	Pending	
Quirk, Wayne Graduate Studies & Research	<i>CWU McNair Scholars Program, Year 5 of 5</i> U.S. Department of Education	213,180	11,880	Funded	213,180

\*From prior year

**Graduate Studies & Research (continued)**

<b>Name</b>	<b>Title</b>	<b>Amount</b>	<b>Indirect</b>	<b>Status</b>	<b>Amount</b>
<b>Department</b>	<b>Agency</b>	<b>Requested</b>			<b>Funded</b>
Quirk, Wayne Graduate Studies & Research	<i>CWU McNair Scholars Program, Year 1 of 5</i> U.S. Department of Education	220,000	11,905	Pending	
<b>Total Graduate Studies &amp; Research</b>		<b>2,549,388</b>	<b>167,501</b>	<b>-</b>	<b>2,100,340</b>