

Central Washington University
Annual Report
of
External Grant & Contract Activities
for
July 1, 2012–June 30, 2013

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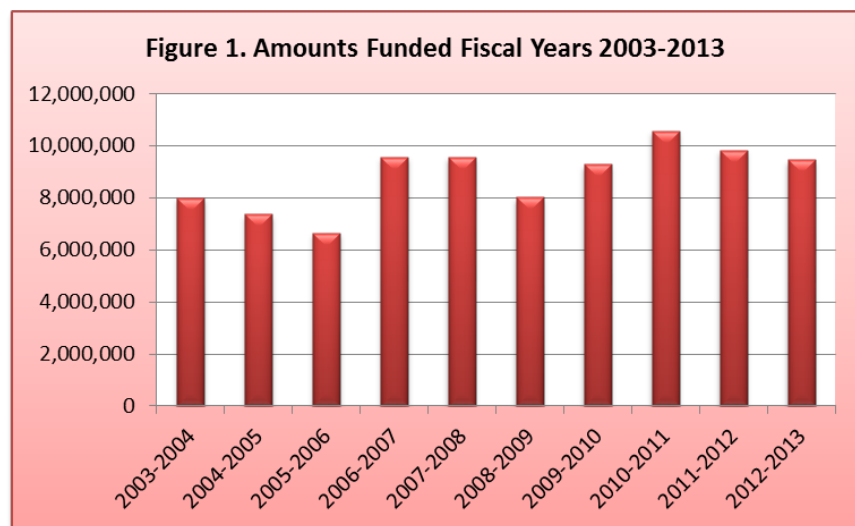
Graduate Studies & Research

Compiled & Analyzed by Julie Guggino
September 2013

Summary of External Report of Grants and Contracts Activity for July 1, 2012–June 30, 2013

Grants funded during this fiscal year totaled \$9,453,197. Between July 1, 2012 and June 30, 2013, a total of 120 grants were submitted to external funding sources (135 last year) by 65 different faculty and staff (70 last year) requesting a total of \$13,043,075 (\$14,278,650 last year). Of these 120, by June 30, 2013, 79 were funded, 21 were not funded, and 20 were still pending. Sixteen grants submitted prior to July 1, 2012, but funded during this fiscal year, are included in the \$9,453,197.

Figure 1 shows grant award activity over the past 10 years. The amount funded this year is 3.92% less than last year's award amount of \$9,838,594.



Notable new awards include

- Timothy Melbourne (Geological Sciences) was awarded \$75,000 for the first of three years for *Production of Level 2 GPS Data Products* from the University of Washington.
- Anthony Diaz (Chemistry) was awarded \$66,800 for the first of three years for *Investigation of Electron Migration & Trapping in Doped Luminescent Materials* from the National Science Foundation.
- Connie Lambert (College of Education and Professional Studies) was awarded \$60,000 from the National Board for Professional Teaching Standards/U.S. Department of Education for *Building a Pipeline of Teaching Excellence*.
- Wayne Quirk (Graduate Studies and Research) was awarded \$220,000 from the U.S. Department of Education for the first of five years for the *CWU McNair Scholars Program*.
- Tracy Plouse (CWU GEAR UP/MOSAIC2 Program) was awarded \$210,753 from RTI International/Research Triangle Institute for conducting research utilizing data from prior CWU GEAR UP programs.

Continuing awards of note include

- Carin Thomas (Chemistry) and Lucinda Carnell (Biological Sciences) were awarded a total of \$167,423 for the third and last year of their National Institutes of Health research, *High Fat Diet & Deficient Antioxidant Status as Contributing Factors to Mitochondrial Dysfunction in C. elegans: Implications for the Onset of Type 2 Diabetes*.
- Julie Guggino (Graduate Studies and Research) was awarded \$1,537,600 for Year 2 of the *CWU GEAR UP/MOSAIC2 Program: Moving Our Students Academically into College and Careers*. It is a seven-year program serving two grade cohorts in nine central Washington school districts.

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

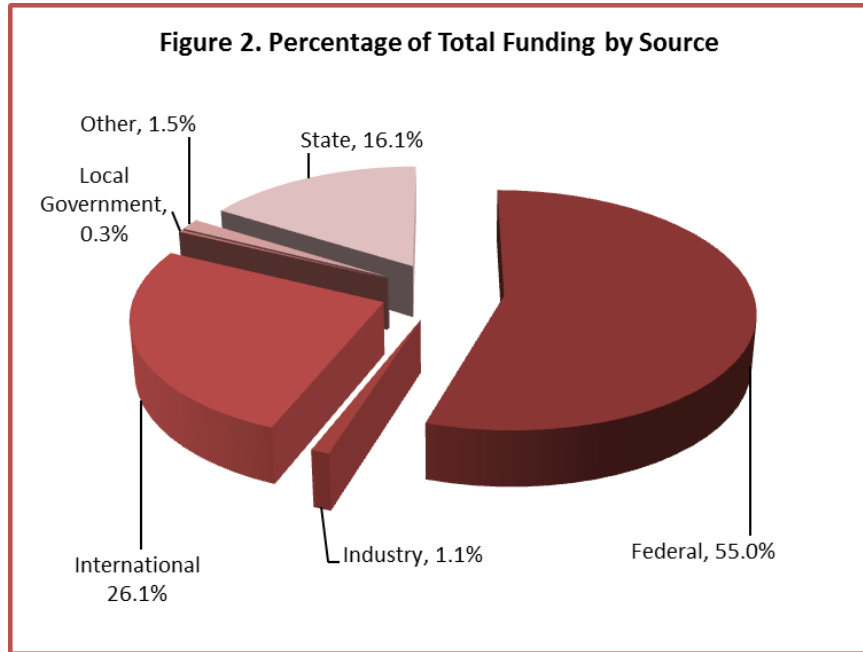


Figure 3 displays the percentage of funding by federal agency. These percentages reflect annual award amounts, not total award amounts. Funding from the U.S. Department of Education totaling \$3,449,419 accounted for 66.4% of CWU's federal funding, followed by funding from the National Science Foundation totaling \$1,187,262, accounting for 22.9%.

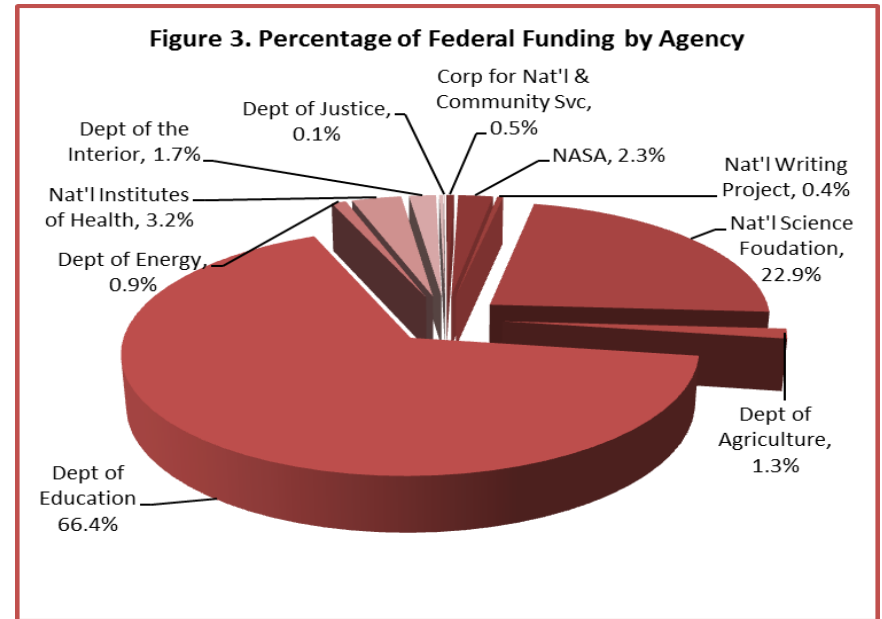
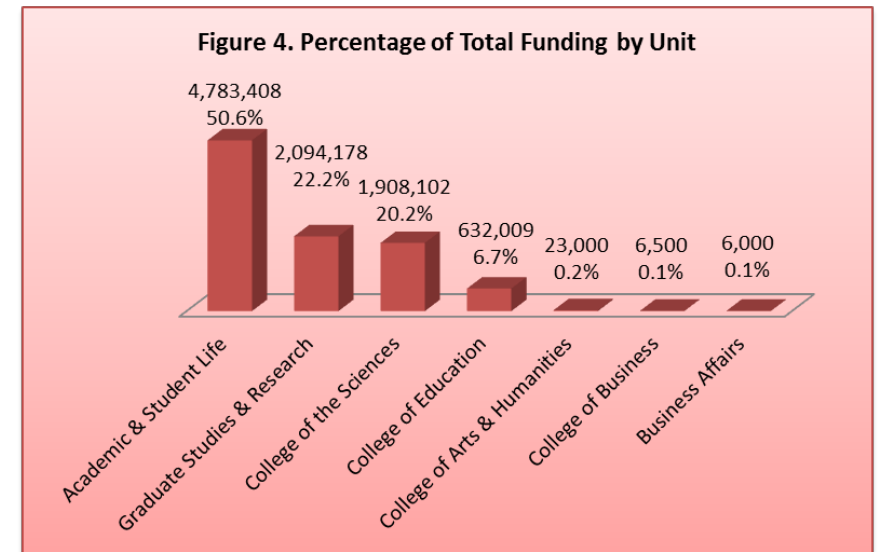


Figure 4 illustrates the proportion of funds generated by the various units on campus. Units within Academic & Student Life accounted for 99.9% of the funds awarded.



Summary of Grant Activity between July 1, 2012 and June 30, 2013, by Unit

Number of Grants Submitted

	July 1, 2012–June 30, 2013				Prior to July 1, 2012*			
	Funded	Not Funded	Pending	Total	Funded	Not Funded	Pending	Total
Academic & Student Life	24	2	5	31	6	3	0	9
Business & Financial Affairs	1	0	0	1	0	0	0	0
College of Arts & Humanities	1	0	1	2	1	0	0	1
College of Business	1	0	0	1	0	1	0	1
College of Education & Professional Studies	9	1	1	11	1	1	0	2
College of the Sciences	33	17	12	62	5	4	2	11
Graduate Studies & Research	10	1	1	12	3	1	0	4
Total Number of Grants Submitted	79	21	20	120	16	10	2	28

*These grants were still pending when the 2011-12 Annual Report was prepared.

Dollar Amounts of Grants Submitted

	July 1, 2012–June 30, 2013				Prior to July 1, 2012*			
	Funded	Not Funded	Pending	Total	Funded	Not Funded	Pending	Total
Academic & Student Life	3,760,319	64,127	428,587	4,253,033	1,023,089	318,531	0	1,341,620
Business & Financial Affairs	6,000	0	0	6,000	0	0	0	0
College of Arts & Humanities	3,000	20,000	0	23,000	20,000	0	0	20,000
College of Business	6,500	0	0	6,500	0	197,556	0	197,556
College of Education & Professional Studies	630,719	5,000	50,294	686,013	1,290	25,971	0	27,261
College of the Sciences	1,851,628	2,273,175	2,110,013	6,234,816	56,474	295,490	167,720	519,684
Graduate Studies & Research	1,650,449	2,244	14,789	1,667,482	443,729	7,200	0	450,929
Total Dollar Amount of Grants Submitted	7,908,615	2,364,546	2,603,683	12,876,844	1,544,582	844,748	167,720	2,557,050

*These grants were still pending when the 2011-12 Annual Report was prepared.

Academic & Student Life

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Arteaga, Mateo & Jerry Enriquez Educational Outreach Services	<i>Central Washington University High School Equivalency Program, Year 3 of 5</i> U.S. Department of Education	461,853	34,211	Funded	461,853
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	739	55	Funded	739
Arteaga, Mateo & Miriam Bocchetti Educational Outreach Services	<i>HECB CAMP Supplement, 2012-13, Year 2 of 2</i> Washington Student Achievement Council	3,571	-	Funded	3,571
Arteaga, Mateo Educational Outreach Services	<i>Central Washington University's Yakima County Communities Education Opportunity Center, Year 2 of 5</i> U.S. Department of Education	263,047	19,485	Funded	263,047
Arteaga, Mateo Educational Outreach Services	<i>Upward Bound Math & Science Program</i> U.S. Department of Education	230,000	12,148	Not Funded*	
Badgley, Margaret Academic & Student Life	<i>Washington-Oregon Columbia Gorge Project, Year 1 of 3</i> South Central Workforce Council/U.S. Department of Labor	46,869	4,261	Not Funded*	
Bates, Ray International Studies & Programs	<i>USAC Peer Rep/Ambassador Program</i> University Studies Abroad Consortium	2,400	-	Funded	2,400
Bocchetti, Miriam Educational Outreach Services	<i>Central Washington University College Assistance Migrant Program, Year 3 of 5</i> U.S. Department of Education	414,208	30,682	Funded	414,208
Bocchetti, Miriam Educational Outreach Services	<i>Dare to Dream Academy: Exploring Your Future</i> Washington State Office of the Superintendent of Public Instruction	100,443	7,440	Funded	100,443
Charlton, Janie Early Childhood Learning Center	<i>Affordable Child Care Program, 2012-13</i> Washington Student Achievement Council	13,702	-	Funded	13,702
Cutright, Patricia (Library) & Mary Lee Jensvold (Anthropology)	<i>Linking the Humanities and a Science Initiated Collection</i> National Endowment for the Humanities	39,127	6,683	Not Funded	

Academic & Student Life (continued)

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
Easlick, Andrea Wellness Center	<i>High Risk Drinking</i> National Social Norms Institute, University of Virginia/Anhaueser Busch Foundation	9,680	-	Funded	9,680
Farmer, Gail Wellness Center	<i>Wellness Works</i> CPS HR Consulting	25,000	3,300	Not Funded	
Foy, Geoff International Studies & Programs	<i>Liuzhou City Masters Cohorts, Year 1 of 3</i> Liuzhou People's Municipal Government	724,725	104,236	Funded*	834,257
Howell, Joe & Mateo Arteaga Educational Outreach Services	<i>College Application Assistance for Toppenish, Wapato, & Granger</i> Washington Campus Compact, Western Washington University	9,140	-	Funded	4,530
Jellison, Kimberly Center for Leadership & Civic Engagement	<i>CWU Youth Vote Initiative</i> Washington State Secretary of State	500	-	Pending	
Launius, Michael International Studies & Programs	<i>Asia University America Program</i> Asia University	1,503,330	136,666	Funded	1,503,330
Launius, Michael International Studies & Programs	<i>Anhui University UESL Program</i> Anhui University	18,000	2,348	Funded*	18,000
Launius, Michael International Studies & Programs	<i>Takushoku University UESL Program</i> Takushoku University	65,105	8,492	Funded*	65,105
Launius, Michael International Studies & Programs	<i>University of Shimane Junior College UESL Program</i> University of Shimane Junior College	46,170	6,022	Funded*	44,460
Launius, Michael International Studies & Programs	<i>Anhui University UESL Program</i> Anhui University	17,598	1,600	Pending	
Launius, Michael International Studies & Programs	<i>University of Shimane Junior College UESL Program</i> University of Shimane Junior College	56,606	5,661	Pending	

Academic & Student Life (continued)

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
Launius, Michael International Studies & Programs	<i>Takushoku University UESL Program</i> Takushoku University	35,294	3,266	Pending	
Manjarrez, Arthur Academic Achievement Programs	<i>College Access Challenge Grant</i> Western Washington University/Washington Campus Compact	4,800	-	Funded	4,800
McFarlane, Neil Academic Achievement Programs	<i>Bridges Mentoring Project, Year 2 of 2</i> Washington Campus Compact, Western Washington University	83,324	-	Funded*	41,267
McFarlane, Neil Academic Achievement Programs	<i>TRIO Mentoring Project</i> Washington Campus Compact, Western Washington University	41,662	-	Not Funded*	
Navarro, Raymond Academic Achievement Programs	<i>Student Support Services, Year 3 of 5</i> U.S. Department of Education	281,219	20,831	Funded	281,219
Pellett, Tracy Academic & Student Life	<i>BAS - Information Technology & Administrative Management, Year 7 of 8</i> Edmonds Community College/State Board for Community & Technical Colleges	215,492	19,590	Funded	215,492
Pellett, Tracy Academic & Student Life	<i>BAS - ITAM & BS - Social Sciences at Everett Community College, Year 1 of 2</i> Everett Community College	356,580		Funded	356,580
Scott, Shane Continuing Education	<i>Middle Crab Creek Cultural Resources Management Plan</i> U.S.D.I., Bureau of Reclamation	15,000	2,784	Funded	15,000
Scott, Shane Continuing Education	<i>Grant County Public Works Cultural Resource Services</i> Grant County	10,000	2,481	Funded	2,590
Scott, Shane Continuing Education	<i>Black Horse at Whiskey Creek Archaeological Investigations</i> DR Horton	5,880	1,459	Funded	6,000
Scott, Shane Continuing Education	<i>Yakima Training Center Archaeological Mitigation of MacDonald Spring</i> Stell Environmental Enterprises	39,940	9,910	Funded	39,940
Scott, Shane Continuing Education	<i>Survey of the Shaake & Wenas Creek Properties</i> U.S.D.I., Bureau of Reclamation	14,408	3,924	Funded	14,408

Academic & Student Life (continued)

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
Scott, Shane Continuing Education	<i>Chelan County PUD Cultural Resources</i> Chelan County PUD	14,000	3,474	Funded	14,000
Scott, Shane Continuing Education	<i>Cultural Monitoring During the Grand Coulee-Bell Reconductoring Project</i> U.S. Department of Energy, Bonneville Power Administration	6,403	1,219	Funded	6,403
Scott, Shane Continuing Education	<i>Archaeological Survey of the 02 Compost Facility</i> PacifiClean Environmental LLC	10,270	2,548	Funded	10,270
Scott, Shane Continuing Education	<i>Suncadia Number Nine Mine Historic Preservation & Planning</i> Suncadia, LLP	16,114	2,935	Funded	16,114
Scott, Shane Continuing Education	<i>Chelan County P.U.D. Archaeological Monitoring</i> Chelan County PUD	44,056	10,831	Funded*	20,000
Swager, Sarah Academic & Student Life	<i>Improving Central Washington University's Retention & Graduation Rates for Undeclared & Transfer Students through the Use of High Impact Practices, Year 1 of 5</i> U.S. Department of Education	318,589	-	Pending	
Total Academic & Student Life		5,564,844	468,542		4,783,408

Business & Financial Affairs

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
Luvera, Michael Campus Police	<i>Overtime Funding for the DUI Task Force</i> Kittitas County Community Public Health & Safety Network & Kittitas County Traffic Safety	6,000	-	Funded	6,000
Total Business & Financial Affairs		6,000			6,000

College of Arts & Humanities

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Cummings, Bobby English	<i>Professional Development in a High-Need School</i> National Writing Project	20,000	-	Funded*	20,000
Cummings, Bobby English	<i>NWP 2013 Seed grant: Professional Development in a High-Need School</i> National Writing Project	20,000	-	Pending	
Easley, Roxanne History	<i>Summer UFC President Support, 2013</i> United Faculty Central	3,000	143	Funded	3,000
Total College of Arts & Humanities		43,000	143		23,000

College of Business

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Savoian, Roy College of Business	<i>Comprehensive Economic Development Strategy (CEDS) for Yakima County and Kittitas County</i> Ellensburg Chamber of Commerce/U.S. Department of Commerce, Economic Development Administration	6,500	580	Funded	6,500
Savoian, Roy College of Business	<i>Central Washington's Regional EDA University Center for Wind & Wine, Year 1 of 5</i> U.S. Department of Commerce	197,556	32,926	Not Funded*	
Total College of Business		204,056	33,506		6,500

College of Education & Professional Studies

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Bender, William Engineering Technology, Safety & Construction	<i>Effects of Wind Forces on Solar Panels</i> Ellensburg Chamber of Commerce/Central Washington Resource Energy Collaborative	4,600	420	Funded	4,400
Carrothers, Carol CEPS	<i>Family Camp 2013</i> Washington State Center for Deafness & Hearing Loss	5,000	-	Funded	5,000
Carrothers, Carol CEPS	<i>Deaf Fiesta Support</i> Seattle Children's Hospital	900	-	Funded	900
Carrothers, Carol CEPS	<i>Disability Services, 2012-13</i> North Central E.S.D.	176,499	13,074	Funded	176,499
Connolly, Jerry CEPS	<i>Special Education Technology Center, 2012-13</i> Washington State Superintendent of Public Instruction	360,000	26,667	Funded	360,000
D'Acquisto, Leo Exercise Science, Nutrition, Exercise & Health Sciences	<i>Athletic Training Position, 2013-14</i> Ellensburg High School	11,000	-	Funded	11,000
D'Acquisto, Leo Exercise Science, Nutrition, Exercise & Health Sciences	<i>Athletic Training Position, 2012-13</i> Ellensburg High School	9,920	-	Funded	9,920
Hollar, Jesslyn CEPS	<i>PESB Mentor Teachers of Alternative Route Candidates</i> Washington State Superintendent of Public Instruction	3,000	-	Funded	3,000
Lambert, Connie CEPS	<i>Building a Pipeline of Teaching Excellence, Years 1 & 2 of 2</i> National Board for Professional Teaching Standards/U.S. Department of Education	60,000	4,444	Funded	60,000
Pearson, Rebecca (Physical Education, School & Public Health) & Naomi Jeffery Petersen (Educational Foundations & Curriculum)	<i>Preventing Kittitas County Residents' Environmental Health Problems: A Workshop for Developing a Strategic Collaborative Communication Resource</i> Centers for Disease Control & Prevention	50,294	-	Pending	
Rajendran, Sathy Engineering Technology, Safety & Construction	<i>GEW Confined Space, OSHA 30, & Rigging Program Update</i> GEW, LLC	1,290	90	Funded*	1,290

College of Education & Professional Studies (continued)

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
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	Not Funded*	
Ward, Stefan Physical Education, School & Public Health	<i>Photovoice & Physical Activity: Engaging Youth for Change in the Fight Against Obesity in Three Pacific Islands</i> AAHPERD Research Consortium	5,000	-	Not Funded	
Total College of Education & Professional Studies		713,474	46,619		632,009

College of the Sciences

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
Andrews, Tracy Anthropology	<i>Supplement: EAGER: Linking Indigenous Knowledge & Science in Puget Sound: Testing & Refining Arctic Models</i> National Science Foundation	3,500	1,042	Funded	3,500
Bohrson, Wendy Geological Sciences	<i>Collaborative Research: Crustal Modulation of Flood Basalts--Integrating Field, Geochemical & Computational Data for the Steens Basalts, Year 1 of 3</i> National Science Foundation	60,199	5,029	Not Funded	
Bowen, John Geography	<i>Collaborative Research: The Privileges & Perils of Network Positionality: Economy, Society, & Environment in Air Cargo Hubs, Year 1 of 3</i> National Science Foundation	44,679	7,049	Not Funded	
Braunstein, Michael Physics	<i>Optics Equipment for CWU Physics Department</i> Edmund Optics	10,000	-	Not Funded	
Braunstein, Michael Physics	<i>Optics Equipment for CWU Physics Department</i> Edmund Optics	10,000	-	Not Funded*	
Dechaine, Jennifer Biological Sciences	<i>Evaluating Irrigation Strategies for Sustainable Water Management of Hay Production in Washington State, Year 1 of 3</i> U.S. Department of Agriculture	64,838	5,894	Pending	
Diaz, Anthony Chemistry	<i>RUI: Investigation of Electron Migration & Trapping in Doped Luminescent Materials, Year 1 of 3</i> National Science Foundation	66,800	12,412	Funded	66,800

College of the Sciences (continued)

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
Diaz, Anthony Chemistry	<i>MRI: Acquisition of a Scanning Electron Microscope for the CWU College of the Sciences, Years 1-3 of 3</i> National Science Foundation	668,753	-	Not Funded	
Egger, Anne Geological Sciences	<i>InTeGrate: Interdisciplinary Teaching of Geoscience for a Sustainable Future, Year 2 of 5</i> Carleton College/National Science Foundation	17,268	3,239	Funded	24,451
Egger, Anne Geological Sciences	<i>4D Strain Distribution in the Northwestern Basin & Range, Year 1 of 3</i> National Science Foundation	121,634	19,759	Not Funded	
Ely, Lisa Geological Sciences	<i>Collaborative Research: Subduction Zone Segmentation over Multiple Seismic Cycles, South-Central Chile, Year 2 of 3</i> National Science Foundation	68,274	9,283	Funded	68,274
Ely, Lisa Geological Sciences	<i>Data Collection for Survey of Mills Reservoir Delta Sediments</i> U.S.D.I., Bureau of Reclamation	2,400	-	Funded	2,400
Ernest, Kristina, Paul James & R. Steven Wagner Biological Sciences	<i>Low-Mobility Wildlife Monitoring for the I-90 Snoqualmie Pass East Project</i> Washington State Department of Transportation	95,158	15,693	Pending	
Fabry-Asztalos, Levente Chemistry	<i>Discovery of Cyclic & Straight-Chain Borinic Acids as Potential HIV-1 Protease Inhibitors, Year 1 of 3</i> National Institutes of Health	120,693	22,258	Pending	
Gabriel, Anthony Geography	<i>Monitoring of Yakama Nation Riparian Restoration Sites, Phase 4</i> Yakama Nation	30,919	4,937	Funded	30,919
Gabriel, Anthony Geography	<i>Lake & Marine Aquatic Sampling Protocol--Phase 2</i> Washington State Department of Natural Resources	20,000	2,765	Funded	20,000
Gabriel, Anthony Geography	<i>Monitoring of Yakama Nation Riparian Restoration Sites, Phase 5</i> Yakama Nation	30,739	4,904	Pending	
Gazis, Carey Geological Sciences	<i>Watershed Integrated System Dynamics Modeling (WISDM): Feedbacks Among Biogeochemical Simulations, Stakeholder Perceptions & Behavior</i> Washington State University/ U.S. Department of Agriculture	25,989	4,424	Funded	25,587
Ge, Yingbin Chemistry	<i>Theoretical Study of the Dehydrogenation of Propane Catalized by Platinum Clusters in the Gas Phase & on the Metal Oxide Surfaces, Year 1 of 3</i> American Chemical Society	21,520	-	Not Funded	

College of the Sciences (continued)

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
Ge, Yingbin Chemistry	<i>CDS&E: Collaborative Research: Integrated Quantum-to-Continuum Multiscale Tools for Flame Synthesis of Nanoparticles, Year 1 of 3</i> National Science Foundation	71,055	15,890	Not Funded	
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>Rewriting the Early Colonial History of Michoacan, Mexico (1510-1550), Years 1-3 of 3</i> California State University, Fullerton/National Endowment for the Humanities	18,590	-	Not Funded*	
Hickey, Robert Geography	<i>Mapping the Kittitas County Fair and Rodeo Grounds</i> Kittitas County	5,184	432	Funded	5,184
Hickey, Robert Geography	<i>Summer UFC President Support, 2012</i> United Faculty Central	3,000	143	Funded*	3,000
Irwin, Jason Biological Sciences	<i>Pest Risk Analyses for Temperate Fruit Flies in Exported Fruits, Year 2 of 3</i> U.S. Department of Agriculture, Agricultural Research Service	30,345	-	Funded	30,345
Irwin, Jason Biological Sciences	<i>Pest Risk Analyses for Temperate Fruit Flies in Exported Fruits, Year 3 of 3</i> U.S. Department of Agriculture, Agricultural Research Service	31,256	-	Pending	
Jackson, Michael Physics	<i>Enhancing NASA-Related Research & Education Activities at CWU</i> Washington NASA Space Grant Consortium/University of Washington	10,000	-	Funded	10,000
Jackson, Michael Physics	<i>NIST Gaithersburg/CWU Summer Undergraduate Fellowship Program</i> U.S. Department of Commerce, National Institute of Standards & Technology	19,800	-	Funded	7,140
Jackson, Michael Physics	<i>Enhancing NASA-Related Research & Education Activities at CWU</i> Washington NASA Space Grant Consortium/University of Washington	10,000	-	Funded*	10,000
Jackson, Michael Physics	<i>Cascadia Airless Body Research Institute, Year 1 of 5</i> National Aeronautic & Space Administration	63,955	8,034	Not Funded	
Jackson, Michael Physics	<i>NIST Boulder/CWU Summer Undergraduate Fellowship Program</i> U.S. Department of Commerce, National Institute of Standards & Technology	17,100	-	Not Funded	
Jackson, Michael Physics	<i>REU SITE: A Distributed REU Site Focused on Serving Physics & Astronomy Students from Comprehensive & Community Colleges, Year 1 of 3</i> National Science Foundation	97,521	4,584	Not Funded	

College of the Sciences (continued)

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
Jackson, Michael Physics	<i>A STEM Teacher Education Pipeline across the Cascades: Increasing STEM Teachers in Washington State through Effective Preparation & Experiences, Year 1 of 2</i> National Aeronautic & Space Administration	247,639	16,390	Pending	
James, Paul Biological Sciences	<i>Ellensburg Urban Stream Fish Passage Assessment</i> Mid-Columbia Fisheries Enhancement Group	4,578	597	Funded*	4,578
Johansen, Anne Chemistry	<i>RUI: Environmental & Biologically Relevant Chemical Mechanisms Induced by Carbonaceous Nanoparticles, Year 2 of 3</i> National Science Foundation	95,408	24,762	Funded	95,408
Kaspari, Susan Geological Sciences	<i>Black Carbon & Dust Deposition on South Cascade Glacier Since 1750 AD: Implications for the Timing & Availability of Water Resources in Washington State</i> U.S.D.I., U.S. Geological Survey/Washington Water Research Center	27,500	-	Funded	18,000
Kaspari, Susan Geological Sciences	<i>Yakima Wintertime Nitrate Study (YAWNS)</i> Washington State Department of Ecology	17,063	2,844	Funded	17,063
Klyve, Dominic Mathematics	<i>Collaborative Research: RUI: TraNational Science Foundationorming Instruction in Undergraduate Mathematics via Primary Historical Sources, Year 1 of 4</i> National Science Foundation	53,475	3,566	Not Funded	
Kroll, Todd Chemistry	<i>Systematic Study of Protein-Protein Interactions in Neocortical Arealization, Year 1 of 3</i> National Science Foundation	88,715	14,128	Not Funded	
Kurtz, Martha (Science Education), Janet Shiver (Mathematics), Timothy Sorey (Chemistry), Christine Black (Mathematics) & Jan Byers-Kirsch (Educational Foundations & Curriculum)	<i>CWU Noyce Scholarship Program, Year 3 of 5</i> National Science Foundation	381,513	-	Funded	381,513
Lee, Jeffrey & Rachelle Warren Geological Sciences	<i>Testing Kinematic Fault-Slip Models in the Eastern California Shear Zone-Walker Lane Belt: Field Studies in Southwestern Mina Deflection, California-Nevada</i> Sigma Xi Scientific Research Society	1,000	-	Funded	1,000
Lee, Jeffrey Geological Sciences	<i>Geologic Mapping in the Southwest Mina Deflection, California-Nevada: Testing Kinematic Fault Slip Transfer Models</i> U.S. Department of the Interior, U.S. Geological Survey	17,499	2,669	Funded	17,499

College of the Sciences (continued)

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
Lee, Jeffrey Geological Sciences	<i>Collaborative Research: Investigating Slip Distribution over Multiple Timescales across the Central Walker Lane: Implications for the Evolution of an Active Tectonic Plate Boundary, Year 1 of 3</i> National Science Foundation	68,382	10,365	Not Funded	
Lillquist, Karl Geography	<i>Geomorphological Study of the Cave Area Associated with the Washington Crossing Portion of the Big Eddy-Knight Project</i> U.S. Department of Energy, Bonneville Power Administration	8,920	2,288	Funded	8,922
Lillquist, Karl Geography	<i>Promoting Place-Based Learning & Geographic Literacy in Central Washington Through Development of a Yakima County Historical Airphoto Database</i> National Council for the Social Studies	2,500	-	Pending	
MacInnes, Breanyn Geological Sciences	<i>Hazards SEES Type 2: Meeting the 'Last Mile' Challenge: Tsunami Hazards & Preparedness in the Eastern Sunda & Banda Arcs, Indonesia, Year 1 of 4</i> Brigham Young University/National Science Foundation	54,074	7,376	Not Funded	
MacInnes, Breanyn Geological Sciences	<i>Collaborative Research: Geological Hazards, Climate Change, & Human/Ecosystems Resilience in the Islands of the Four Mountains, Alaska, Year 1 of 3</i> National Science Foundation	17,399	3,204	Pending	
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	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	77,382	14,945	Pending	
Melbourne, Timothy Geological Sciences	<i>Production of Level 2 GPS Data Products, Year 2 of 3</i> University of Washington	78,750	8,750	Funded	78,750
Melbourne, Timothy Geological Sciences	<i>Continued Operations of the Pacific Northwest Geodetic Array, Year 4 of 5</i> U.S.D.I., U.S. Geological Survey	17,908	4,588	Funded	23,390
Melbourne, Timothy Geological Sciences	<i>National Science Foundation Plate Boundary Observatory Analysis Center--Continuing Operations, Year 5 of 5</i> UNAVCO, Inc./National Science Foundation	205,182	56,393	Funded	205,182
Melbourne, Timothy Geological Sciences	<i>Production of Level 2 GPS Data Products, Year 1 of 3</i> University of Washington	75,000	8,333	Funded	75,000

College of the Sciences (continued)

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
Melbourne, Timothy Geological Sciences	<i>Hazards Mitigation Through Real-Time Positioning of the Pacific Northwest Geodetic Array, Year 3 of 4</i> National Aeronautic & Space Administration	97,197	25,511	Funded	97,194
Melbourne, Timothy Geological Sciences	<i>COCONet & GAMA Data Analysis (Expansion of PBO Analysis Center), Years 1-3 of 3</i> UNAVCO, Inc./National Science Foundation	57,277	-	Funded	57,277
Melbourne, Timothy, Anne Egger (Geological Sciences), Pamela McMullin-Messier (Sociology), Toni Sipic (Economics), Carlo Smith (Finance & Supply Chain Management)	<i>Hazards SEES Type 2: Building Resilience & Mitigating Risk from Great Earthquakes along the Cascadia Megathrust: Integrating Geophysical, Sociological & Economic Perspectives, Year 1 of 4</i> National Science Foundation	745,619	112,736	Not Funded	
Melbourne, Timothy Geological Sciences	<i>Geodasy Advancing Geosciences & Earthscope, Year 1 of 5</i> UNAVCO, Inc./National Science Foundation	146,000	40,160	Pending*	
Mulcahy, Michael Sociology	<i>Intervention Opportunities Gained from Performance Funding Outcomes: A Case Study in Washington State</i> Highline Community College	22,550	6,295	Funded	22,550
Novak, Mathew Geography	<i>RUI: Retail Location Patterns & Policy: Mapping Retailing & Its Management across Washington State, Year 1 of 2</i> The Evergreen State College/National Science Foundation	55,470	11,553	Not Funded	
Palmquist, Bruce Physics	<i>Enhancing Physics Teacher Education at CWU, Year 1 of 3</i> Physics Teacher Education Coalition	13,257	2,628	Funded*	13,257
Palmquist, Bruce Physics	<i>Enhancing Physics Teacher Education at CWU, Year 2 of 3</i> Physics Teacher Education Coalition	24,989	3,051	Pending	
Pratt-Sitaula, Beth Geological Sciences	<i>Collaborative Research: Featuring EarthScope in Coastal Cascadia Earthquake & Tsunami Hazards Education by Linking Teachers, Interpreters, & Emergency Managers, Year 1 of 3</i> National Science Foundation	69,741	5,004	Funded	69,136
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 & 2 of 2</i> National Science Foundation	193,599	-	Not Funded*	

College of the Sciences (continued)

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
Scoville, Alison Biological Sciences	<i>The Molecular Basis for Epigenetic Inheritance of Trichome Patterning in Mimulus, Year 3 of 3</i> National Science Foundation/University of Kansas Center for Research Inc	41,992	8,720	Funded	41,992
Scoville, Alison Biological Sciences	<i>Collaborative Research: Eco-Evolutionary Dynamics Between Multiple Competitors: Population Responses to Species Extinction & Re-Establishment at the Whole Ecosystem Scale, Year 1 of 4</i> National Science Foundation	31,024	3,719	Not Funded	
Sheeran, Lori (Anthropology), Audrey Huerta (Geological Sciences), R. 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, Years 2 & 3 of 3</i> National Science Foundation	99,948	-	Funded	99,948
Stoddard, Cody Sociology	<i>Idaho Department of Juvenile Corrections Tune-Up Program</i> Idaho Department of Juvenile Corrections	6,000	691	Funded	6,000
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 3 of 3</i> National Institutes of Health	127,664	34,061	Funded	127,664
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 2 of 2</i> National Institutes of Health	39,759	9,645	Funded	39,759
Wagner, R. Steven (Biological Sciences), Paul James (Biological Sciences), 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 -3 of 3</i> Seattle City Light	40,616	5,298	Funded*	25,639
Winberry, Paul Geological Sciences	<i>Collaborative Research: East Antarctic Outlet Glacier Dynamics: Investigations of Beardmore Glacier, Year 2 of 3</i> National Science Foundation	73,781	17,313	Funded	73,781
Winberry, Paul Geological Sciences	<i>Collaborative Research: MRI Development of Geophysical Earth Observatory for Ice Covered Environments (GEOICE), Year 1 of 3</i> National Science Foundation	1,383,127	8,549	Pending	

College of the Sciences (continued)

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
Winberry, Paul & Audrey Huerta Geological Sciences	<i>Collaborative Research: In Situ Monitoring of Stick Slip of Whillans Ice Stream, Year 1 of 4</i> National Science Foundation	14,293	3,348	Pending	
Total College of the Sciences		6,781,980	641,011		1,908,102

Graduate Studies & Research

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
Cohen, Ken Graduate Studies & Research	<i>Gladmar Park Salmon Habitat Restoration</i> Washington State Department of Fish & Wildlife	7,200	-	Not Funded*	
Findley, Carol Retired Senior & Volunteer Program	<i>Health Care Insurance Outreach, Education & Advocacy</i> Washington State Office of the Insurance Commissioner	3,000	-	Funded	3,000
Findley, Carol Retired Senior & Volunteer Program	<i>Manastash Metric Bike Ride Promotion</i> City of Ellensburg	1,106	-	Funded	1,106
Findley, Carol Retired Senior & Volunteer Program	<i>RSVP of Kittitas County, 2013, Year 2 of 3</i> Corporation for National & Community Service	61,272	2,060	Funded	19,924
Findley, Carol Retired Senior & Volunteer Program	<i>Citizens on Patrol; Free Document Shred Day</i> Kittitas County Law & Justice Council	4,380	-	Funded	1,000
Findley, Carol Retired Senior & Volunteer Program	<i>RSVP Program Support</i> Combined Federal Campaign	5,046	-	Funded	5,046
Findley, Carol Retired Senior & Volunteer Program	<i>Health Care Insurance Outreach, Education & Advocacy</i> Washington State Office of the Insurance Commissioner	18,841	-	Funded*	12,976

Graduate Studies & Research (continued)

Name	Title	Amount Requested	Indirect	Status	Amount Funded
Department	Agency				
Findley, Carol Retired Senior & Volunteer Program	<i>Manastash Metric Bike Ride Promotion</i> City of Ellensburg	2,244	-	Not Funded	
Findley, Carol Retired Senior & Volunteer Program	<i>RSVP Program Support, Year 1 of 2</i> Washington State Department of Commerce	14,789	-	Pending	
Guggino, Julie Graduate Studies & Research	<i>CWU GEAR UP: Project MOSAIC2, Year 2 of 7</i> U.S. Department of Education	1,632,000	120,889	Funded	1,537,600
Jensvold, Mary Lee Chimpanzee & Human Communication Institute	<i>Promoting 2013 Chimposiums</i> City of Ellensburg	5,773	-	Funded	5,773
Jensvold, Mary Lee Chimpanzee & Human Communication Institute	<i>Winley Caregiver Request</i> Friends of Washoe	45,000	-	Funded	45,000
Jensvold, Mary Lee Chimpanzee & Human Communication Institute	<i>Promoting 2013 Chimposiums</i> Kittitas County	6,500	-	Funded	2,000
Jensvold, Mary Lee Chimpanzee & Human Communication Institute	<i>FOW Caregiver/Cognitive Enrichment, Year 2</i> Friends of Washoe	30,000	-	Funded	30,000
Plouse, Tracy CWU GEAR UP Program	<i>Data Utilization Grant, Years 1 & 2 of 2</i> RTI International/Research Triangle Institute	175,582	13,006	Funded*	210,753
Quirk, Wayne Graduate Studies & Research	<i>CWU McNair Scholars Program, Year 1 of 5</i> U.S. Department of Education	220,000	11,905	Funded*	220,000
Total Graduate Studies & Research		2,232,733	147,860		2,094,178