

Central Washington University
Annual Report
of
External Grant & Contract Activities
for
July 1, 2013–June 30, 2014

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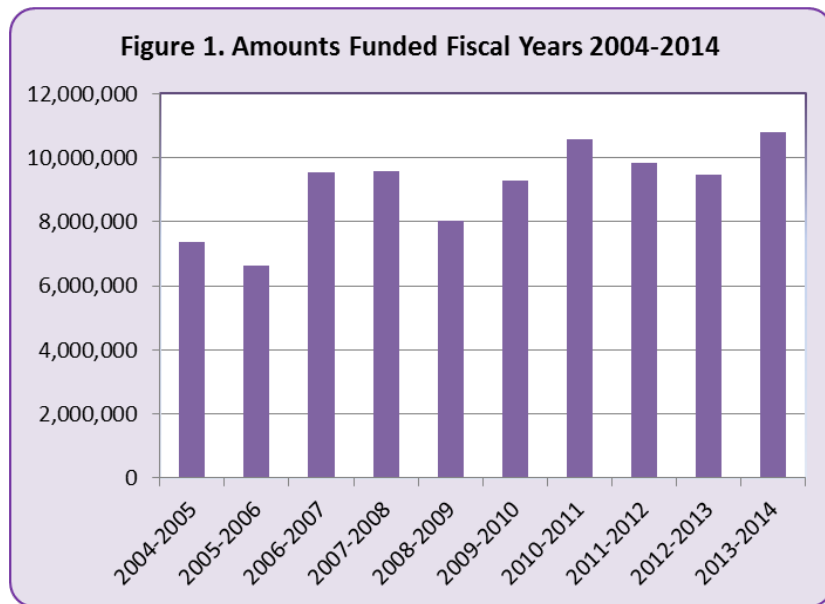
School of Graduate Studies & Research

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September 2014

Summary of External Report of Grants and Contracts Activity for July 1, 2013–June 30, 2014

Grants funded during this fiscal year totaled \$10,798,990, a new university record high. Between July 1, 2013 and June 30, 2014, a total of 124 grants were submitted to external funding sources (120 last year) by 64 different faculty and staff (65 last year) requesting a total of \$13,370,901 (\$13,043,075 last year). Of these 124, by June 30, 2014, 77 were funded, 13 were not funded, and 34 were still pending. Sixteen grants submitted prior to July 1, 2013, but funded during this fiscal year, are included in the \$10,798,990.

Figure 1 shows grant award activity over the past 10 years. The amount funded this year is 14.24% more than last year's award amount of \$9,453,197.



Notable new awards include

- Paul Winberry and Audrey Huerta, Geological Sciences, were awarded \$1,186,567 by the National Science Foundation for the first year of their three-year collaborative project, *MRI Development of Geophysical Earth Observatory for Ice Covered Environments (GEOICE)*. The total award is \$2,534,726. CWU is the lead agency collaborating with the Incorporated Research Institutions for Seismology (IRIS) located in Washington D.C.
- Anthony Gabriel, Geography, received \$222,867 from Washington State Department of Natural Resources for his research, *Eelgrass Mapping and Monitoring Project*.
- Timothy Melbourne, Geological Sciences, was awarded \$124,100 from UNAVCO/National Science Foundation for the first year of his five-year project, *Geodosy Advancing Geosciences and Earthscope*. The total award is \$620,500.
- Sathyanarayanan Rajendran, Engineering Technology, Safety and Construction, was awarded \$113,565 from Washington State Department of Labor and Industries for his project, *Construction Project Safety Management Best Practices Handbook*.
- Darci Snowden, Physics, received \$7,780 from NASA for the first year of her three-year project totaling \$184,165. It is titled *Magnetospheric Ionization and Energy Deposition in Titan's Upper Atmosphere*.
- Kristina Ernest, Paul James and Steve Wagner, Biological Sciences, received \$89,307 from Washington State Department of Transportation for *Low-Mobility Wildlife Monitoring for the I-90 Snoqualmie Pass East Project*.

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

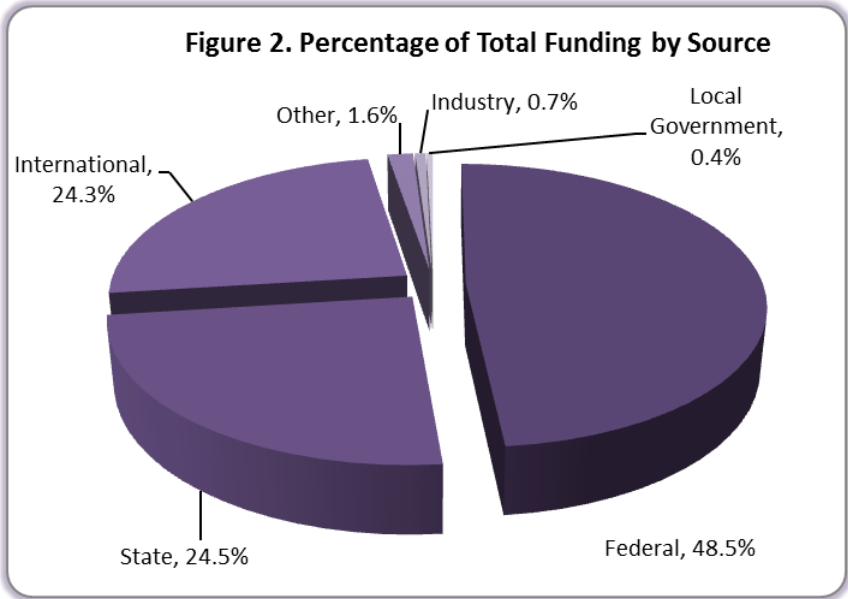


Figure 3 displays the percentage of funding by federal agency. These percentages reflect annual award amounts, not total award amounts. Funding from the U.S. Department of Education totaling \$2,560,005 accounted for 48.9% of CWU’s federal funding, followed by funding from the National Science Foundation totaling \$2,398,158, accounting for 45.8%.

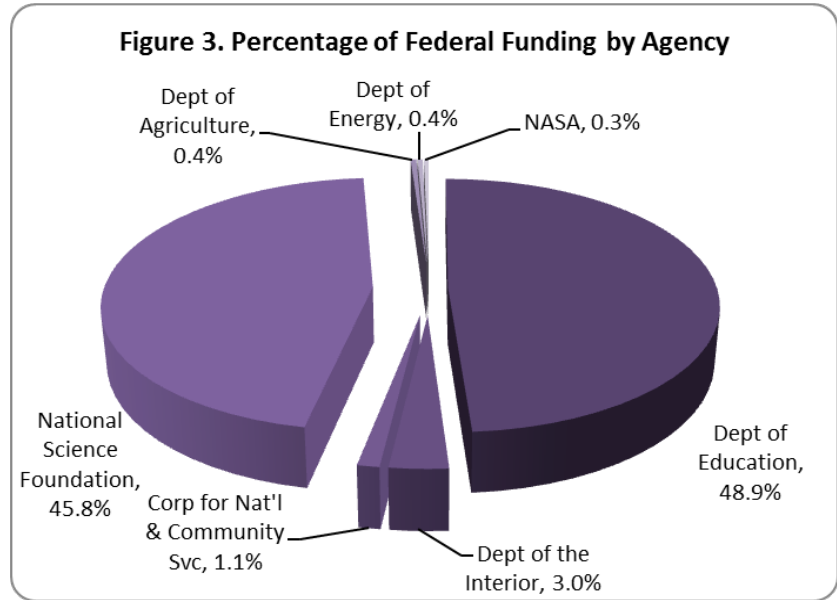
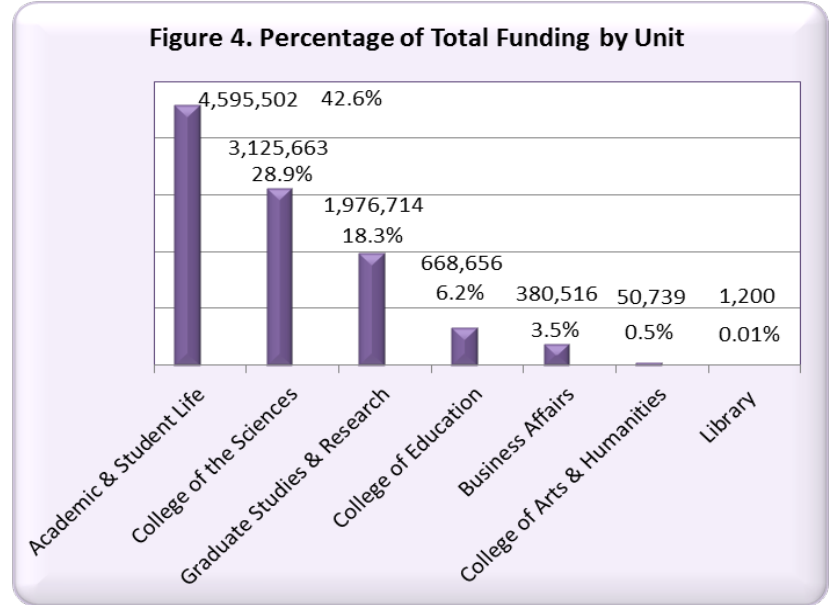


Figure 4 illustrates the proportion of funds generated by the various units on campus. Units within Academic & Student Life accounted for 96.5% of the funds awarded.



Summary of Grant Activity between July 1, 2013 and June 30, 2014, by Unit

Number of Grants Submitted

	July 1, 2013–June 30, 2014				Prior to July 1, 2013*			
	Not		Pending	Total	Not		Pending	Total
	Funded	Funded			Funded	Funded		
Academic & Student Life	18	0	4	22	4	1	0	5
Brooks Library	1	1	1	3	0	0	0	0
Business & Financial Affairs	14	0	2	16	0	0	0	0
College of Arts & Humanities	3	1	0	4	1	0	0	1
College of Education & Professional Studies	8	2	3	13	0	1	0	1
College of the Sciences	25	9	23	57	10	5	1	16
Graduate Studies & Research	8	0	1	9	1	0	0	1
Total Number of Grants Submitted	77	13	34	124	16	7	1	24

*These grants were still pending when the 2012-13 Annual Report was prepared.

Dollar Amounts of Grants Submitted

	July 1, 2013–June 30, 2014				Prior to July 1, 2013*			
	Not		Pending	Total	Not		Pending	Total
	Funded	Funded			Funded	Funded		
Academic & Student Life	4,486,374	0	1,384,949	5,871,323	109,128	318,589	0	427,717
Brooks Library	1,200	6,538	12,384	20,122	0	0	0	0
Business & Financial Affairs	380,516	0	53,115	433,631	0	0	0	0
College of Arts & Humanities	30,739	65,000	0	95,739	20,000	0	0	20,000
College of Education & Professional Studies	668,656	513,899	256,737	1,439,292	0	50,294	0	50,294
College of the Sciences	1,480,720	500,889	1,552,033	3,533,642	1,644,943	352,990	120,693	2,118,626
Graduate Studies & Research	1,961,997	0	14,717	1,976,714	14,717	0	0	14,717
Total Dollar Amount of Grants Submitted	9,010,202	1,086,326	3,273,935	13,370,463	1,788,788	721,873	120,693	2,631,354

*These grants were still pending when the 2012-13 Annual Report was prepared.

Academic & Student Life

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Bocchetti, Miriam & Jerry Enriquez Student Success	<i>Central Washington University High School Equivalency Program, Year 4 of 5</i> U.S. Department of Education	461,386	35,658	Pending	
Bocchetti, Miriam Student Success	<i>Dare to Dream Academy: Exploring Your Future</i> Washington State Office of the Superintendent of Public Instruction	1,834	173	Funded	1,834
Bocchetti, Miriam Student Success	<i>2013-2015 Washington State Supplemental Grant for CAMP, Years 1 & 2 of 2</i> Washington Student Achievement Council	7,142	-	Funded	7,142
Bocchetti, Miriam Student Success	<i>Dare to Dream Academies: Exploring Your Future</i> Washington State Office of the Superintendent of Public Instruction	148,545	11,003	Funded	148,545
Bocchetti, Miriam Student Success	<i>Central Washington University College Assistance Migrant Program, Year 4 of 5</i> U.S. Department of Education	424,989	23,339	Pending	
Charlton, Janie Early Childhood Learning Center	<i>Affordable Child Care Program, 2013-15, Years 1 & 2 of 2</i> Washington Student Achievement Council	25,165	-	Funded	25,165
Cook, Steve International Studies & Programs	<i>USAC Representative Program</i> University Studies Abroad Consortium	2,600	-	Funded	2,600
Cubilie, Anne Douglas Honors College	<i>First Year Honors Orientation</i> National Collegiate Honors Council	876	-	Funded	500
Easlick, Andrea Wellness Center	<i>High Risk Drinking</i> National Social Norms Institute University of Virginia/Anheuser Busch Foundation	9,680	-	Funded	9,680
Enriquez, Jerry & Miriam Bocchetti Student Success	<i>Strengthening College & Career Readiness for HEP Students and Their Children</i> Yakima Valley Community Foundation	20,000	-	Withdrawn	
Foy, Geoff; David Hedrick & Michael Launius International Studies & Programs	<i>Liuzhou City Masters Cohorts, Year 2 of 3</i> Liuzhou People's Municipal Government (China)	724,725	72,473	Funded	789,649

*These grants were still pending when the 2012-13 Annual Report was prepared.

Academic & Student Life (continued)

Name	Title	Amount	Indirect	Status	Amount
Department	Agency	Requested			Funded
Jellison, Kimberly Civic Engagement Center	<i>CWU Youth Vote Initiative</i> Washington State Secretary of State	500	-	Funded*	500
Launius, Michael International Studies & Programs	<i>Takushoku University UESL Program</i> Takushoku University	35,294	3,266	Funded*	35,924
Launius, Michael International Studies & Programs	<i>University of Shimane Junior College UESL Program</i> University of Shimane Junior College	56,606	5,661	Funded*	56,606
Launius, Michael International Studies & Programs	<i>Anhui University UESL Program</i> Anhui University	17,598	1,600	Funded*	16,098
Launius, Michael International Studies & Programs	<i>Asia University America Program</i> Asia University	1,654,243	150,386	Funded	1,654,243
Milner, Laura International Studies & Programs	<i>University of Shimane Junior College UESL Program</i> University of Shimane Junior College	56,500	5,136	Funded	56,500
Milner, Laura International Studies & Programs	<i>Anhui University UESL Program</i> Anhui University	18,750	1,705	Funded	18,750
Navarro, Raymond Student Success	<i>Student Support Services, Year 4 of 5</i> U.S. Department of Education	266,511	19,742	Funded	266,511
Navarro, Raymond Student Success	<i>Central Washington University's Yakima County Communities Education Opportunity Center, Year 3 of 5</i> U.S. Department of Education	263,047	19,485	Funded	249,290
Nelson, Jesse Student Success	<i>Strengthening College & Career Readiness for HEP Students & Their Children</i> CWU Foundation/Yakima Valley Community Foundation	6,656	-	Funded	6,656
Pellett, Tracy Undergraduate Studies	<i>BAS - Information Technology & Administrative Management, Year 8 of 8</i> Edmonds Community College/State Board for Community & Technical Colleges	214,006	19,455	Funded	214,006
Pellett, Tracy Undergraduate Studies	<i>BAS - ITAM & BS - IDS Social Studies, Year 1 of 2</i> Washington State University	356,580	32,417	Funded	356,580
Pellett, Tracy Undergraduate Studies	<i>BAS - ITAM & BS - Social Sciences at Everett Community College, Year 2 of 2</i> Everett Community College	356,580	-	Funded	356,580

*These grants were still pending when the 2012-13 Annual Report was prepared.

Academic & Student Life (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Pellett, Tracy Undergraduate Studies	<i>BS Interdisciplinary Studies--Social Sciences/BS Social Services, Year 8 of 7</i> Pierce Community College/State Board for Community & Technical Colleges	322,144	-	Funded	322,143
Pellett, Tracy Undergraduate Studies	<i>Improve Student Services to Help Students ¡FINISH!, Year 1 of 5</i> Yakima Valley Community College/U.S. Department of Education	282,921	-	Pending	
Swager, Sarah Student Success	<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	-	Not Funded*	
Total Academic & Student Life		6,053,467	401,499		4,595,502

Brooks Library

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Cutright, Patricia Library	<i>Preservation & Access through a Digital Commons</i> Suncadia, LLP	12,384	-	Pending	
Cutright, Patricia Library	<i>Created Equal: America's Civil Rights Struggle, Years 1-3 of 3</i> National Endowment for the Humanities/Gilder Lehrman Institute of American History	1,200	-	Funded	1,200
Reilly, Michele Library	<i>Using Technology to Retrieve & Preserve Cultural History</i> Washington State Secretary of State Institute of Museum & Library Services	6,538	-	Not Funded	
Total Brooks Library		20,122	-		1,200

*These grants were still pending when the 2012-13 Annual Report was prepared.

Business & Financial Affairs

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Scott, Shane Facilities Management	<i>Department of Ecology Archaeological Services, Years 1 & 2 of 2</i> Washington State Department of Ecology	204,856	34,143	Funded	204,846
Scott, Shane Facilities Management	<i>Roaring Creek Archaeological Survey</i> Trout Unlimited	3,739	928	Funded	3,739
Scott, Shane Facilities Management	<i>Warren Cannery Archiving Project,</i> U.S.D.A., National Forest Service Columbia River Gorge	945	-	Funded	945
Scott, Shane Facilities Management	<i>Yakama Nation Archaeological Support Services</i> Yakama Nation	31,405	13,246	Funded	31,405
Scott, Shane, Facilities Management; Jennifer Lipton, Geography; Megan Walsh, Geography; & Andy Piacsek, Physics	<i>Columbia Plateau Windfarm Archaeological Inventory</i> Columbia Windfarm LLC	115,398	28,828	Withdrawn	
Scott, Shane Facilities Management	<i>Archaeological Investigation of Liberty Gardens</i> DR Horton	4,932	1,224	Funded	4,392
Scott, Shane Facilities Management	<i>Archaeological Investigation of the Bumping & Cle Elum Reservoirs</i> U.S.D.I., Bureau of Reclamation	16,852	3,366	Funded	16,852
Scott, Shane Facilities Management	<i>Entiat Canal System Upgrade</i> Chelan County PUD	3,209	796	Funded	20,000
Scott, Shane Facilities Management	<i>Yakima Training Center Archaeological Excavation at 45YA614</i> Stell Environmental Enterprises	52,585	14,141	Funded	52,585
Scott, Shane Facilities Management	<i>Archaeological Investigation of Vinterra ASA</i> DR Horton	4,965	1,232	Funded	4,820
Scott, Shane Facilities Management	<i>BNSF Archaeological Assessment</i> BNSF Railway Company	98,463	24,431	Funded	10,955
Scott, Shane Facilities Management	<i>Chelan County P.U.D. Archaeological Monitoring</i> Chelan County PUD	10,000	2,481	Funded	10,000

*These grants were still pending when the 2012-13 Annual Report was prepared.

Business & Financial Affairs (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Scott, Shane Facilities Management	<i>Archaeological Investigation of Yakama Nation Fish Enhancement Projects</i> Yakama Nation	50,255	12,963	Pending	
Scott, Shane Facilities Management	<i>Survey of Jamestown S'Klallam Tribal Cemetery Using Ground Penetrating Radar</i> Jamestown S'Klallam Tribe	4,600	851	Funded	4,600
Scott, Shane Facilities Management	<i>East Columbia Irrigation District Archaeological Resources</i> East Columbia Irrigation District	11,427	2,226	Funded	11,427
Scott, Shane Facilities Management	<i>Archaeological Survey of 7NE Road</i> Grant County	3,950	980	Funded	3,950
Scott, Shane Facilities Management	<i>Survey of Roslyn Slovak Cemetery Using Ground Penetrating Radar</i> City of Roslyn	2,860	608	Pending	
Total Business & Financial Affairs		620,441	142,444		380,516

College of Arts & Humanities

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Cummings, Bobby English	<i>NWP 2013 Seed Grant: Professional Development in a High-Need School</i> U.S. Department of Education, National Writing Project	20,000	1,000	Funded*	20,000
Cummings, Bobby English	<i>NWP 2014-2016 Seed Grant: Teacher Leadership Development, Year 1 of 2</i> U.S. Department of Education, National Writing Project	10,000	1,000	Funded	10,000
Easley, Roxanne History	<i>Summer UFC President Support</i> United Faculty Central	4,000	200	Funded	4,000
Knirck, Jason History	<i>A Loyal Opposition? The Development of Parliamentary Opposition in Ireland</i> American Council of Learned Societies	65,000	-	Not Funded	

*These grants were still pending when the 2012-13 Annual Report was prepared.

College of Arts and Humanities (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Robinson, Scott Theatre Arts	<i>Theatre Technology & Marketing Enhancement</i> Kittitas County/City of Ellensburg	25,000	-	Funded	16,739
Total College of Arts & Humanities		124,000	2,200		50,739

College of Education and Professional Studies

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Bartel, Kimberlee Family & Consumer Sciences	<i>Work Base Learning Instruction</i> Highline School District	5,058	460	Funded	5,058
Carrothers, Carol College of Education & Professional Studies	<i>Disability Services, 2013-14</i> North Central Educational Service District	172,433	12,773	Funded	172,433
Carrothers, Carol College of Education & Professional Studies	<i>Deaf Fiesta/Family Camp 2014</i> Washington State Center for Deafness & Hearing Loss	3,654	-	Funded	10,000
Connolly, Jerry College of Education & Professional Studies	<i>Special Education Technology Center, 2013-14</i> Washington State Office of the Superintendent of Public Instruction	360,000	26,667	Funded	360,000
D'Acquisto, Leo Nutrition, Exercise & Health Sciences	<i>Athletic Training Position</i> Ellensburg High School	10,144	-	Pending	
Hughes, Craig Language, Literacy & Special Education	<i>Road Map English Language Learner (ELL) Endorsement Pathway Program, Years 1 & 2 of 2</i> Washington State Professional Educator Standards Board	463,921	-	Not Funded	
Lambert, Connie College of Education & Professional Studies	<i>CWU Alternative Route Candidate Program, 2014</i> Washington State Professional Educator Standards Board	3,500	-	Funded	3,500

*These grants were still pending when the 2012-13 Annual Report was prepared.

College of Education & Professional Studies (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Lambert, Connie College of Education & Professional Studies	<i>PEAB Administrator Meeting Support, 2013-14</i> Washington State Professional Educator Standards Board	1,900	-	Funded	1,900
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	-	Not Funded*	
Pearson, Rebecca Physical Education & School/Public Health	<i>Publication of Washington State Journal of Public Health Practice</i> Washington State Public Health Association	2,200	200	Funded	2,200
Rajendran, Sathyanarayanan Engineering Technology, Safety & Construction	<i>Construction Project Safety Management Best Practices Handbook</i> Washington State Department of Labor & Industries	113,565	7,722	Funded	113,565
Spybrook, Janet, Language, Literacy & Special Education; Wendy Holden & Marshall Sunnes, Human Resources	<i>Increasing Braille Literacy via Outreach, Education & Emerging Technologies, Year 1 of 5</i> U.S. Department of Education	110,000	10,000	Pending	
Tsai, ShuFei Language, Literacy & Special Education	<i>Building Capacity of Sustainable Change in Schools Serving Students with Emotional/Behavioral Disabilities, Years 1 & 2 of 2</i> Spencer Foundation	49,978	-	Not Funded	
Wentworth, Sandra Language, Literacy & Special Education	<i>CWU Jacob Javits Center for Highly Capable Programs, Year 1 of 5</i> U.S. Department of Education	136,593	26,591	Pending	
Total College of Education & Professional Studies		1,483,240	84,413		668,656

*These grants were still pending when the 2012-13 Annual Report was prepared.

College of the Sciences

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Archer, Kevin Geography	<i>The Political Economy of a Global-Yet-Local Industry and its Prospects for Sustainability: Developing a Comparative Multi-Site, Multi-Level, Interdisciplinary Approach, Year 1 of 3</i> Southern Florida University/National Science Foundation	84,071	20,085	Not Funded	
Auslander, Mark Anthropology	<i>Washington Museum Association Meetings</i> Washington Museum Association	7,817	-	Funded	7,817
Auslander, Mark Anthropology	<i>Museum of Culture & Environment Advertising at Kittitas County Motels & Ferry System</i> Kittitas County/City of Ellensburg	11,073	-	Not Funded	
Beck, Daniel Biological Sciences	<i>Colockum Bull Elk Study</i> Washington State Department of Fish & Wildlife	35,459	4,625	Funded	36,000
Belofsky, Gil, Chemistry & Blaise Dondji, Biological Sciences	<i>Anthelmintic Activity of Plant Natural Products Against the Hookworm Ancylostoma ceylanicum, Year 1 of 3</i> National Institutes of Health	119,440	20,059	Pending	
Bender, Sara Psychology	<i>Mastery of Psychology Curriculum: A Comparison of Concept Mastery Between Online Psychology Majors & Traditional Psychology Majors</i> Society for the Teaching of Psychology	4,726	-	Not Funded	
Black, Chris Mathematics	<i>Common Core Lessons & Professional Development</i> Common Core, Inc.	33,616	-	Funded	33,616
Bohrson, Wendy Geological Sciences	<i>Collaborative Research: Thermochemical Consequences of Magma Mixing-- Constructing a Magma Mixing Taxonomy Using the Magma Chamber Simulator, Year 1 of 3</i> National Science Foundation	42,211	7,037	Not Funded	
Bohrson, Wendy Geological Sciences	<i>Collaborative Research: Quantifying the Thermochemical Consequences of Magma Mixing-Modeling Natural Systems & Classification of Mix Behaviors Using the Magma Chamber Simulator, Year 1 of 3</i> National Science Foundation	38,086	5,933	Pending	

*These grants were still pending when the 2012-13 Annual Report was prepared.

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Bohrson, Wendy Geological Sciences	<i>Collaborative Research: Crustal Modulation of Flood Basalts--Integrating Field, Geochemical and Computational Data for the Steens Basalt, Year 1 of 3</i> National Science Foundation	92,532	16,765	Pending	
Chamberland, Stephen Chemistry	<i>CAREER: Rational Design of a Natural-Product Based Inhibitor of Human Blood Coagulation Factor XIa, Year 1 of 5</i> National Science Foundation	165,233	20,148	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	Not Funded*	
Dechaine, Jennifer Biological Sciences	<i>Predicting Long-Term Patterns of Introgression in Crop-Wild Hybrids, Year 1 of 3</i> University of Georgia/U.S. Department of Agriculture	16,988	3,514	Not Funded	
Dechaine, Jennifer Biological Sciences	<i>Evolutionary Genomics of Abiotic Stress Resistance in Wild & Cultivated Sunflower, Year 1 of 4</i> University of Georgia/NSF	14,863	3,311	Pending	
Diaz, Anthony Chemistry	<i>RUI: Investigation of Electron Migration & Trapping in Doped Luminescent Materials, Year 2 of 3</i> National Science Foundation	53,692	12,660	Funded	53,692
Egger, Anne Geological Sciences	<i>Earthquake Hazard Assessment of the Winter Rim Fault System, Eastern Oregon</i> U.S. Department of the Interior, U.S. Geological Survey	61,851	11,626	Pending	
Egger, Anne Geological Sciences	<i>Volcano-Tectonic History of the Northern Warner Range, Northeastern California</i> U.S.D.I., Geological Survey	6,102	-	Funded	6,102
Egger, Anne Geological Sciences	<i>InTeGrate: Interdisciplinary Teaching of Geoscience for a Sustainable Future, Year 3 of 5</i> Carleton College/National Science Foundation	39,287	7,539	Funded	39,287
Egger, Anne Geological Sciences	<i>Increasing Research Training Opportunities: Applying Best Practices in Training to a Virtual Environment, Year 1 of 3</i> City University of New York/National Science Foundation	14,219	3,271	Pending	

*These grants were still pending when the 2012-13 Annual Report was prepared.

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Ely, Lisa Geological Sciences	<i>Collaborative Research: Subduction Zone Segmentation over Multiple Seismic Cycles, South-Central Chile, Year 3 of 3</i> National Science Foundation	65,706	9,635	Funded	65,706
Ernest, Kristina; Paul James & Steve 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	Funded*	89,307
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 5</i> Yakama Nation	30,739	4,904	Funded*	30,744
Gabriel, Anthony Geography	<i>Monitoring of Yakama Nation Riparian Restoration Sites, Phase 6</i> Yakama Nation	30,109	4,807	Pending	
Gabriel, Anthony Geography	<i>DNR Washington State Eelgrass Mapping and Monitoring Project, Years 1-2 of 2</i> Washington State Department of Natural Resources	222,867	34,147	Funded	222,867
Ge, Yingbin Chemistry	<i>Theoretical Study of the Platinum Cluster Catalyzed Dehydrogenation of Propane, Year 1 of 3</i> American Chemical Society	23,720	-	Not Funded*	
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	49,641	10,668	Not Funded	
Hackenberger, Steve Anthropology	<i>Tryon Creek Archaeological Collection Project</i> U.S.D.A., National Forest Service, Wallowa-Whitman National Forest	2,000	261	Funded	2,000
Huerta, Audrey & Paul Winberry Geological Sciences	<i>Collaborative Research: POLENET - Antarctica: Investigating Links Between Geodynamics & Ice Sheets - Phase 2, Years 1 & 2 of 5</i> National Science Foundation	103,343	20,115	Funded*	76,413

*These grants were still pending when the 2012-13 Annual Report was prepared.

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Huerta, Audrey, Geological Sciences & Alison Scoville, Biological Sciences	<i>SOLVE (Sustainability for Our Livelihood, Values, & Environment), Year 1 of 5</i> National Science Foundation	5,768	773	Funded	64,018
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	31,256	-	Funded*	18,042
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> NASA	247,639	16,390	Not Funded*	
Jackson, Michael Physics	<i>A Coordinated Approach to Authentic, Hands-On STEM Experiences at Two-Year Institutions in Washington, Years 1 & 2 of 2</i> Washington NASA Space Grant Consortium/University of Washington	34,000	-	Pending	
Jackson, Michael Physics	<i>REU SITE: A Pilot Distributed REU Site Focused on Serving Physics & Astronomy Students from Comprehensive & Community Colleges, Year 1 of 2</i> National Science Foundation	98,559	4,790	Funded	79,759
Jackson, Michael Physics	<i>RUI: Precision Measurements of Far-Infrared Laser Frequencies, Year 1 of 2</i> National Science Foundation	44,960	12,875	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>CUR Conference Student Travel Support</i> Council on Undergraduate Research	1,217	-	Funded	1,217
Johansen, Anne Chemistry	<i>Monitoring & Studying the Effects of Atmospheric Deposition & Other Water Quality Threats to Parks in the North Coast and Cascade Network, Year 1 of 2</i> U.S.D.I., National Park Service	13,320	1,094	Funded	13,320
Johansen, Anne Chemistry	<i>Collaborative Research: RISE - Research-Based Interdisciplinary STEM Education, Year 1 of 3</i> National Science Foundation	21,652	5,117	Pending	

*These grants were still pending when the 2012-13 Annual Report was prepared.

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Johansen, Anne Chemistry	<i>RUI: Environmental & Biologically Relevant Chemical Mechanisms Induced by Carbonaceous Nanoparticles, Year 3 of 3</i> National Science Foundation	101,207	26,186	Funded	101,207
Kaspari, Susan Geological Sciences	<i>Wildfire Effects on Snowmelt & Peak Flows in the Pacific Northwest, Year 1 of 3</i> Oregon State University/Joint Fire Science Program	42,583	7,097	Not Funded	
Kaspari, Susan Geological Sciences	<i>Light Absorbing Impurities in Himalayan Snow and Ice, Year 1 of 5</i> Jet Propulsion Laboratory/NASA	145,438	10,506	Pending	
Klyve, Dominic Mathematics	<i>Collaborative Research: RUI: Transforming Instruction in Undergraduate Mathematics via Primary Historical Sources, Year 1 of 5</i> National Science Foundation	84,363	6,521	Not Funded	
Kurtz, Martha, Science Education; Christine Black, Mathematics; Jan Byers-Kirsch, Educational Foundations & Curriculum; Janet Shiver, Mathematics & Timothy Sorey, Chemistry	<i>CWU Noyce Scholarship Program, Year 4 of 5</i> National Science Foundation	382,210	-	Funded	382,210
Lee, Jeffrey Geological Sciences	<i>Geologic Mapping in the Northern Eastern California Shear Zone, California: Testing a Kinematic & Geometric Fault Slip Transfer Model</i> U.S. Department of the Interior, U.S. Geological Survey	17,499	2,669	Funded	17,499
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	74,389	10,811	Pending	
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	-	Not Funded*	
Lillquist, Karl Geography	<i>Geomorphology of Cave Area of Big Eddy-Knight Project</i> U.S. Department of Energy, Bonneville Power Administration	8,648	2,262	Funded	8,648

*These grants were still pending when the 2012-13 Annual Report was prepared.

College of the Sciences (continued)

Name	Title	Amount	Indirect	Status	Amount
Department	Agency	Requested			Funded
Lillquist, Karl Geography	<i>Teaway Floods</i> Washington State Office of Attorney General	25,000	2,273	Funded	25,000
Lillquist, Karl Geography	<i>Kittitas County Mass Wasting Hazards</i> Kittitas County	10,000	909	Pending	
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	Funded*	17,399
MacInnes, Breanyn Geological Sciences	<i>Tsunami Deposits in Saratoga Passage, Northeast Whidbey Island</i> Island County	10,486	500	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	77,382	14,945	Funded*	77,382
Melbourne, Timothy Geological Sciences	<i>Geodasy Advancing Geosciences & Earthscope, Year 1 of 5</i> UNAVCO, Inc./NSF	146,000	40,160	Funded*	124,100
Melbourne, Timothy Geological Sciences	<i>NASA ROSES JPL Subcontract</i> Jet Propulsion Laboratory/NASA	50,000	13,236	Pending	
Melbourne, Timothy Geological Sciences	<i>Hazards Mitigation Through Real-Time Positioning of the Pacific Northwest Geodetic Array</i> Jet Propulsion Laboratory/NASA	50,000	13,236	Pending	
Melbourne, Timothy Geological Sciences	<i>Continued Operations of the Pacific Northwest Geodetic Array, Year 5 of 5</i> U.S.D.I., U.S. Geological Survey	78,030	21,474	Funded	78,030
Melbourne, Timothy Geological Sciences	<i>A READI Real-time GPS Analysis Center, Year 1 of 3</i> NASA	230,523	53,245	Pending	
Melbourne, Timothy Geological Sciences	<i>Production of Level 2 GPS Data Products, Year 3 of 3</i> University of Washington	82,688	9,187	Funded	82,688
Mulcahy, Michael Sociology	<i>Intervention Opportunities Gained from Performance Funding Outcomes: A Case Study in Washington State</i> Highline Community College	11,839	3,305	Funded	11,839

*These grants were still pending when the 2012-13 Annual Report was prepared.

College of the Sciences (continued)

Name	Title	Amount	Indirect	Status	Amount
Department	Agency	Requested			Funded
Palmquist, Bruce Physics	<i>Enhancing Physics Teacher Education at CWU, Year 2 of 3</i> Physics Teacher Education Coalition	24,989	3,051	Funded*	24,989
Pratt-Sitaula, Beth Science Education/Geology	<i>Collaborative Research: Featuring EarthScope in Coastal Cascadia Earthquake & Tsunami Hazards Education by Linking Teachers, Interpreters, & Emergency Managers, Year 2 of 3</i> National Science Foundation	70,151	6,257	Funded	70,151
Rivera, Dion Chemistry	<i>Indicator Ink Project</i> Sensor, LLC	13,606	3,657	Pending	
Snowden, Darci Physics	<i>Comparative Study of System Magnetospheres during the Early Solar System, Year 1 of 3</i> University of Washington/NASA	6,991	1,952	Pending	
Snowden, Darci Physics	<i>Magnetospheric Ionization & Energy Deposition in Titan's Upper Atmosphere, Year 1 of 4</i> NASA	7,780	-	Funded	7,780
Wagner, R. Steven; Kristina Ernest & Paul James Biological Sciences	<i>Low-Mobility Wildlife Monitoring for the I-90 Snoqualmie Pass East Project, Years 1 & 2 of 2</i> Washington State Department of Transportation	299,155	49,859	Pending	
Winberry, Paul & Audrey Huerta 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	Funded*	1,186,567
Winberry, Paul 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	Not Funded*	
Winberry, Paul Geological Sciences	<i>Collaborative Research: Grounding Line Dynamics: Crary Ice Rise Revisited, Year 1 of 3</i> National Science Foundation	59,508	15,193	Pending	
Winberry, Paul Geological Sciences	<i>Collaborative Research: The Role of Meltwater and Sediment at Ice Sheet Grounding Zones, Year 1 of 3</i> National Science Foundation	48,870	11,897	Pending	

*These grants were still pending when the 2012-13 Annual Report was prepared.

College of the Sciences (continued)

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Winberry, Paul & Audrey Huerta Geological Sciences	<i>Collaborative Research: Multiscale Seismic Imaging of the Structure & Uplift Mechanism of the Central Transantarctic Mountains, Year 1 of 4</i> National Science Foundation	81,355	20,085	Pending	
Winberry, Paul Geological Sciences	<i>Collaborative Research: East Antarctic Outlet Glacier Dynamics: Investigations of Beardmore Glacier, Year 3 of 3</i> National Science Foundation	60,267	15,485	Funded	60,267
Total College of the Sciences		5,876,727	687,053		3,125,663

School of Graduate Studies & Research

Name Department	Title Agency	Amount Requested	Indirect	Status	Amount Funded
Archer, Kevin Graduate Studies & Research	<i>CWU McNair Scholars Program, Year 2 of 5</i> U.S. Department of Education	220,000	11,905	Funded	208,494
Buvit, Ian McNair Scholars Program	<i>Geoarchaeological Context of the Mid-Holocene Human Occupation at Frank Slaven's Roadhouse Site, Yukon-Charley Rivers National Preserve, Alaska</i> U.S.D.I., National Park Service	14,965	2,229	Funded	14,965
Findley, Carol Retired & Senior Volunteer Program	<i>RSVP Program Support, Year 1 of 2</i> Washington State Department of Commerce	14,789	-	Funded*	14,717
Findley, Carol Retired & Senior Volunteer Program	<i>RSVP Program Support, Year 2 of 2</i> Washington State Department of Commerce	14,717	-	Pending	
Findley, Carol Retired & Senior Volunteer Program	<i>Health Care Insurance Outreach, Education & Advocacy</i> Washington State Office of the Insurance Commissioner	37,074	-	Funded	37,074
Findley, Carol Retired & Senior Volunteer Program	<i>RSVP Program Support</i> Combined Federal Campaign	4,846	-	Funded	4,846
Findley, Carol Retired & Senior Volunteer Program	<i>Manastash Metric Bike Ride Promotion, 2014</i> Kittitas County/City of Ellensburg	5,232	-	Funded	500

*These grants were still pending when the 2012-13 Annual Report was prepared.

School of Graduate Studies & Research (continued)

Name	Title	Amount			Amount
Department	Agency	Requested	Indirect	Status	Funded
Findley, Carol Retired & Senior Volunteer Program	<i>RSVP of Kittitas County, 2014, Year 3 of 3</i> Corporation for National & Community Service	59,772	2,847	Funded	59,772
Findley, Carol Retired & Senior Volunteer Program	<i>RSVP Program Support</i> Combined Federal Campaign	6,000	-	Funded	4,346
Guggino, Julie Research & Sponsored Programs	<i>CWU GEAR UP: Project MOSAIC2, Year 3 of 7</i> U.S. Department of Education	1,632,000	120,889	Funded	1,632,000
Total School of Graduate Studies & Research		2,009,395	137,870		1,976,714

*These grants were still pending when the 2012-13 Annual Report was prepared.