

A MESSAGE FROM THE DIRECTOR

Welcome to the fiscal year 2012 Report from Sponsored Programs. Saginaw Valley State University remains committed to excellence in academic and professional programs that prepare highly qualified graduates. The office of Sponsored and Academic Programs Support is happy to report that research and creative work continues to grow at SVSU. Sponsored Programs works with faculty and staff to develop grant proposals while supporting them in the submission of proposals. We provide access to information about funding sources, aid in the preparation and development of budgets, edit proposals prior to submission to external sponsors, publish campus announcements and updates, host workshops for faculty and students, and assist in the preparation of required reports. All this support leads faculty to make important contributions to their discipline, walk the exciting path of discovery, and contribute to collaborations that improve and enrich our lives.

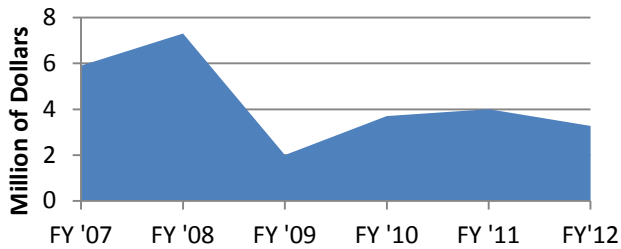
We understand that research takes many forms; we value what occurs within the walls of a laboratory, in the classroom, and in the field. This annual report marks the achievements of our faculty and staff who win grants and contracts from diverse sponsors. Saginaw Valley State University's Sponsored and Academic Programs facilitate partnerships with institutions, agencies, and corporations—receiving over three million dollars in external grants, contracts, and sponsored research funding in fiscal year 2012. We commend the members of the University community for their accomplishments.

Janet Rentsch, Director

Sponsored and Academic Programs Support

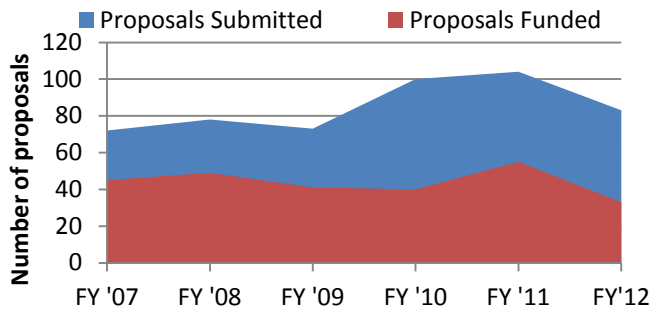
REPORTS ON GRANTS, CONTRACTS AND SPONSORED RESEARCH ACTIVITIES

External Support FY 2007 - 2012



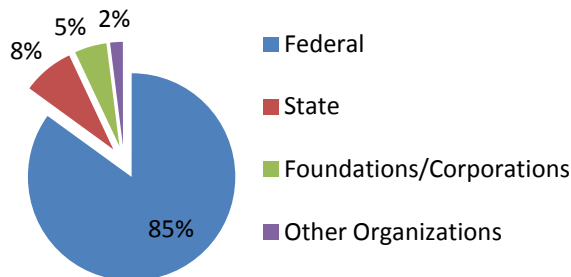
This annual report summarizes grants, contracts, and sponsored research activity at Saginaw Valley State University for the 2012 fiscal year. During this fiscal period—July 1, 2011 through June 30, 2012—a total of \$3,277,956 was awarded for research and other sponsored projects. The following chart illustrates the total sponsored support at Saginaw Valley State University over the past six years.

Proposals Submitted and Funded



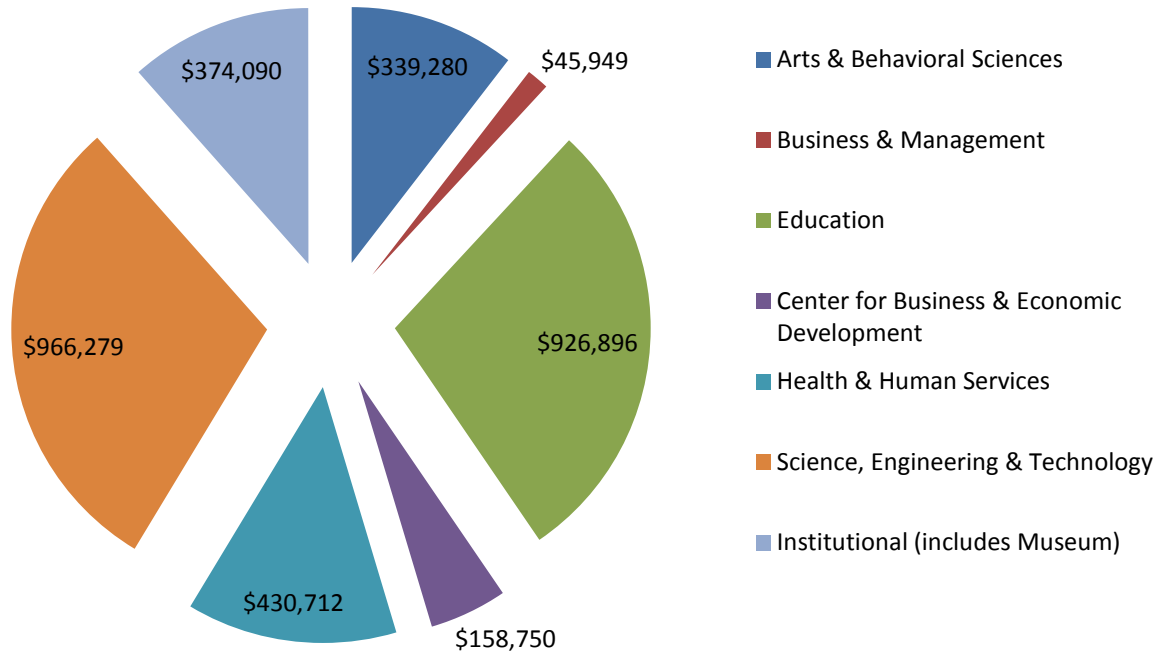
In addition to support for research-related activities, grants and contracts support education, student services, and program development projects. A total of 83 proposals were submitted to external sponsors during fiscal year 2012; 33 of those proposals (40%) have been funded.

Sources of Funding FY 2012



External sponsors represent a cross section of government agencies, business and industry representatives, foundations, community organizations and educational institutions. The following chart categorizes the grants SVSU received by agency type.

External Funding By Unit FY 2012



UNIVERSITY GOALS SUPPORTED BY GRANTS

Academic Improvement – The University will continuously develop and improve academic programs which are effectively delivered and periodically assessed, thereby motivating and enabling students to participate professionally and intellectually in an increasingly diverse, global, and technological society.

Program Qualitative Distinctiveness – The University will develop nationally recognized programs and areas of excellence that promote quality throughout the University and enhance the value of an SVSU degree.

Enrollment Management – The University will continue to be an institution of choice and opportunity for students who seek and obtain a college degree.

Technology – The University will continue to develop, maintain, and enhance its technological resources to facilitate excellence and innovation in teaching and learning and to improve institutional efficiency and effectiveness. The University will provide leadership for the greater community on technology issues.

Campus Culture – The University will promote and continuously enhance a culture and environment that fosters and supports the personal and intellectual growth of its students, faculty, and staff.

Community Relations – The University will continue to improve and expand its contributions to the greater community's quality of life and will forge stronger connections by becoming the premier cultural and intellectual center and resource for schools, businesses, and governments.

INTERNAL GRANTS FOR FACULTY DEVELOPMENT

The internal grant opportunities described below are available to SVSU faculty to support their professional growth and research. Fiscal year 2012 recipients of internal funds and release time are listed in this report under the college in which they reside.

SVSU Faculty Research and Professional Growth Awards

Each year the University Unit Committees recommend funding for faculty proposals requesting release time for research and/or professional development with consultation between the president of the Faculty Association and the vice president for Academic Affairs. The charge of the committees is to encourage and promote scholarship, advanced studies, and research among SVSU faculty. Committee responsibilities include the evaluation of applications and recommendation for the allocation of these funds. In fiscal year 2012, the University Unit Committees supported faculty requests totaling \$75,309 and 51.6 hours of release time.

Sabbatical Leave

Eight sabbaticals were granted by the Board of Control in fiscal year 2012. SVSU professors are eligible to apply for sabbatical leave upon six consecutive years of service to the University.

SVSU Faculty Supplemental Funds

Each academic dean and vice president for Academic Affairs determine additional University support for professional development conference participation. Fifty-eight faculty were supported with \$41,467 in fiscal year 2012 for presentations and conference participation.

SVSU Foundation Resource Grants

SVSU Foundation Resource Grants enhance scholarship, further the academic and cultural missions of the University, and/or have significant impact on the University community for projects and programs which directly benefit and involve SVSU students. The evaluation committee includes appointed community members from the SVSU Foundation Board. For fiscal year 2012, 16 grants were awarded totaling \$70,261.

SVSU Allen Foundation Student/Faculty Research Grants

SVSU Allen Foundation Research Grants support student/faculty research that addresses various health and nutritional issues facing the region. For fiscal year 2012, no grants were awarded.

SVSU College of Business and Management Family Business Research Grant

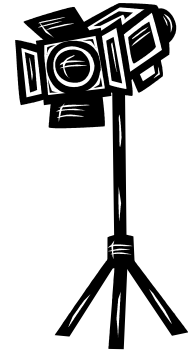
SVSU Family Business Research Grant supports the increase of breadth and depth of our collective knowledge on family business issues and strengthens the SVSU brand within the larger family business community and the broader academic community. For fiscal year 2012, one grant was awarded to a College of Business and Management faculty team, totaling \$15,000 to fund a two-year project.

SVSU College of Education Research Award

SVSU College of Education Research Award provides seed money designated to support research and stimulate the submission of proposals to other agencies for external funding. For 2012, one grant was awarded totaling \$3,000.

SPOTLIGHT ON FACULTY AND STAFF

A sample of grants that impact faculty research, SVSU students, and the Great Lakes Bay Region



Tai Chi Lee, Professor of Computer Science and Information Systems, was awarded \$123,144 from the National Science Foundation to develop a high-performance computing platform. The computing platform will benefit faculty and student projects in the areas of computational biology, chemistry, physics, mathematics and computer stimulation.

Thomas Kullgren, Professor of Mechanical Engineering, and **Bruce Hart**, manager of the Independent Testing Lab, were awarded \$200,909 from the U.S. Department of Energy to collaborate with Fulcrum Composites to develop high-strength, high-fatigue wind blade spars to improve alternative energy generation.

Eric Gardner, Professor of English, was awarded a fellowship of \$50,400 from the National Endowment for the Humanities to support his research and publication efforts for “The Christian Recorder and American Print Culture in the Civil War Era.” Gardner is one of only three Michigan professors to receive an NEH fellowship.

Pat Cavanaugh, Professor of English, **Rodney Williams**, Assistant Professor of Teacher Education, and **Tamara Barrientos**, Director of the SVSU Regional Mathematics and Science Center, were awarded a combined total of over \$723,000 from the Michigan Department of Education for three Title II A(3) Improving Teacher Quality grants. The focus of these grants was to support professional development opportunities for local secondary school teachers.

Jeffrey Smith, Malcolm & Lois Field Endowed Chair of Health Sciences, **Charles Weaver**, Assistant Professor of Health Sciences, and **Rosalyn Sweeting**, Assistant Professor of Biology, were awarded a total of \$50,000 from the Field Neurosciences Institute for three research projects.

Clifford Dorne, Associate Vice President for Institutional Research, was awarded the competitive Select Student Support Services’ six-year grant of \$684,000, funded by the Michigan Department of Career Development’s King-Chavez-Parks Initiative to improve student success.

Melissa Ford, Archivist at the Marshall M. Fredericks Sculpture Museum, was awarded \$12,500 from the Michigan Humanities Council to support the Memories of World War II exhibit hosted at the museum from October 2012 through January 2013. The exhibit includes two exhibitions and two lectures pertaining to World War II.

COLLEGE OF ARTS AND BEHAVIORAL SCIENCES

Externally Sponsored Awards

Grants, Contracts, and Appropriations

M. PATRICIA CAVANAUGH	<i>English</i>	
Leadership in Content Area Literacy Continuation Michigan Department of Education		\$220,000
Leadership in Content Area Literacy Michigan Department of Education (additional funding)		\$15,230
BARBARA COHEN	<i>Modern Foreign Languages</i>	
Foreign Language Teaching Assistant (FLTA) Host Institutions U.S. Department of State: Foreign Language Teaching Assistant Program (FLTA).....		\$40,000
ERIC GARDNER	<i>English</i>	
The Christian Recorder and American Print Culture in the Civil War Era National Endowment for the Humanities Fellowship.....		\$50,400
DAVID SCHNEIDER	<i>Communication</i>	
President of the Executive Committee (Year 2 of 2) Michigan Association for Higher Education.....		\$10,000
LEE TREPANIER	<i>Political Science</i>	
Student Research Fellowship and Seminar/Colloquia (Year 2) Charles G. Koch Charitable Foundation.....		\$3,650
Total Amount Awarded FY 2012		\$339,280

Internally Sponsored Awards

		Dollars Allocated/ Release Time Allocated
<u>SVSU Faculty Research and Professional Growth Awards</u>		
BYUNGIL AHN	<i>History</i> Uxorilocal Marriage, Gender Equality, and Law in Twentieth Century China	\$3,000
JOHN BAESLER	<i>History</i> Clearer Than Truth: The Polygraph in Cold War America	3 hours

SVSU Faculty Research and Professional Growth Awards (continued)

MONIKA DIX	<i>Modern Foreign Languages</i> Chûjôhime in Retrospective: Buddhist Ideology and Gender Marginalization/ Empowerment in Medieval Japanese Literature	\$4,014/ 3 hours
JAMES HITT	<i>Philosophy</i> Nosology, Ontology, and Disorders of Consciousness	\$160/ 3 hours
JULIE KEIL	<i>Political Science</i> Continued Degree Work	\$1,000
JEFFREY KOPERSKI	<i>Philosophy</i> The Philosophy of Science and Religion	\$1,055/ 3 hours
JENNIFER McCULLOUGH	<i>Communication</i> Celebratory Support	\$555/ 3 hours
ARRA ROSS	<i>English</i> The Poetry of Puppetry	3 hours
DAVID RZESZUTEK	<i>Theatre</i> Commedia Dell Arte Intensive	\$5,377
LEE TREPANIER	<i>Political Science</i> Funding for Pedagogy and Dostoevsky Books	\$1,975

SVSU Foundation Resource Grants

JULIE KEIL	<i>Political Science</i> Student Participation in Moot Court Competition	\$5,400
MATTHEW MARGRES	<i>Psychology</i> Conference Presentations at Midwest Psychological Association	\$1,000
EVELYN RAVURI/ MARTIN ARTHUR	<i>Geography</i> Study Abroad Trip to Costa Rica	\$5,500
ARRA ROSS	<i>English</i> Cardinal Ink Creative Writing Students Attending Association for Writers Conference in Chicago	\$3,603
JAMES SULLIVAN	<i>English</i> Study Abroad Trip to Rome	\$6,000

Sabbaticals Granted for Research

JOHN GROLLE	Geography Poverty/Vulnerability Mapping, Sahel Famine Refugees, and Analysis of Archived LANDSAT Data	Winter 2013
DAWN HINTON	Sociology Exploring Life Experiences and Accomplishments of Black Women in the Black Women's Oral History Project	Fall 2012
BRAD JARVIS	History Sovereignty and Land Ownership in Territorial Michigan	Fall 2012
BRIAN THOMAS	Sociology Service-Learning as a Mechanism for Public Sociology in Higher-Education	Fall/Winter 2012-2013

SVSU Faculty Supplemental Funds for Conference Presentations

BYUNGIL AHN	History Medical Reform during the Republican Era	\$500
	Uxorilocal Marriages in 25 Official Dynastic Histories and the Ming-Qing Law Codes	\$500
PETER BARRY	Philosophy How to Talk About Evil People	\$500
GEOFFREY CARTER	English Turning On and Turning In: Expatriating Place from the Parisian Salons to the Sunset Strip	\$200
	The Chora of the Twin Towers	\$300
MONIKA DIX	Modern Foreign Languages Straightening the Wrinkles: Aging Ambivalence in the Jōjin Ajari no haha no shū	\$500
ROBERT DREW	Communication Hell's Half Mile	\$500

SVSU Faculty Supplemental Funds for Conference Presentations (continued)

SHERRIN FRANCES	<i>English</i> Prezi vs. PowerPoint: How Digital Applications Facilitate Different Heterotopic Opportunities for Composition Students	\$300
ERIC GARDNER	<i>English</i> Two presentations supported at same conference: Pacific Northwest Exchanges; and Black Poetry, Reading (Re)Publics, and the Performative in Nineteenth Century America	\$500
	Black Boots, Black Ads, Black Periodicals, Black Readers	\$750
BRANDON HASKETT	<i>Music</i> Life-long Learning for Teachers: Developing a Professional Learning Network	\$350
	Motivations of Adult Beginners to Participate in a World Music Community Ensemble: A Study of the Desert Winds Community Steel Orchestra	\$500
JAMES HITT	<i>Philosophy</i> Vegetative State as a Postulate of Medical Knowledge	\$500
	The Problem of Unreportable Awareness	\$300
JOSEPH JAKSA	<i>Criminal Justice</i> Roundtable: In What Academic Discipline Should Security Education Be Placed?	\$700
BETH JORGENSEN	<i>Rhetoric and Professional Writing</i> Granola-eating, Birkenstock-wearing, Tree-huggers Who Want to Take Your Guns: Reframing the Rhetoric of Sustainable Agriculture	\$500
	Feeding the World: Global Consequences of the 'Grain Meme' for Women and Children	\$200

SVSU Faculty Supplemental Funds for Conference Presentations (continued)

EMILY KELLEY	Art Imitating the Italians: The Impact of Florentine Funerary Practices on the Funerary Altarpiece of the Spanish Merchant Gonzalo Lopez de Polanco	\$500
	Mighty Protectors for the Merchant Class: Saints as Intercessors between the Wealthy and the Divine	\$500
TIMOTHY KENYON	English Teaching Composition as a Creative Writer: Possibilities and Pitfalls	\$219
SARA BETH KEOUGH	Geography Chair 3 panels: US/Canada Environmental Considerations; Geography of the Canadian West; Urban Geography and Planning in the US and Canada; plus presentation: Ft. McMurray, Alberta: Considering Urban Development in a Boom Town	\$500
	Urban Planning in a Boom Town: The Case of Ft. McMurray, Alberta ; and Chair panel - Material Culture and Geography II	\$500
KIMBERLY LACEY	English The Rhetorical Mimic: Using Empathy to Persuade	\$500
MATTHEW MARGRES	Psychology Teaching Behavior Modification: Common Approaches and Formats	\$500
	Schematic and Bizarreness Effects in Mental Imagery: Ongoing Investigation	\$500
JENNIFER McCULLOUGH	Communication 'Time to Celebrate! Examining Realistic Celebratory Support Message Features and Scenarios' and 'How Should You Respond to Someone Else's Good News? A Test of Recipient Evaluation of Celebratory Support Message Features'	\$260
	Connecting Students with Instructional Tools: Textbooks, iPads, and the Internet	\$545
DAVID NICHOLS	Philosophy The God of the Existentialist Philosopher: Fate, Freedom and Mystery	\$287

SVSU Faculty Supplemental Funds for Conference Presentations (continued)

THOMAS RENNA	<i>History</i> Empire and the Natural Law in Dante, Marsilius of Padua, and Ockham	\$200
	Natural Law and Empire	\$300
RIC ROBERTS	<i>Theatre</i> Selection Committee (Michigan Chair of Region III)	\$500
C. VINCENT SAMARCO	<i>English</i> The City's Drink	\$500
GARY THOMPSON	<i>English</i> Hemingway and Kairos	\$300
	Bullshit is Evil	\$400
	Bullshit is Evil	\$500
DIANA TREBING	<i>Communication</i> Chair for Intercultural Communication Interest Group	\$813
LEE TREPANIER	<i>Political Science</i> Collapse of the Soviet Union and International Approaches on the End of the Cold War	\$500
	Presentation: Teaching the American Political Tradition in a Global Context	\$500
	Panel: The Ambiguity of Rights: Sexuality and Gender in Political Narrative	
	A Philosopher of Prudence and the Purpose of Higher Education	\$500
SCOTT YOUNGSTEDT	<i>Sociology</i> Inauguration as President of the West African Research Association (WARA)	\$500

COLLEGE OF BUSINESS AND MANAGEMENT

Externally Sponsored Awards

Grants, Contracts, and Appropriations

GARY CLARK Four client-financed projects to give marketing students real-world experience <i>Bay City Country Club, Stardust Lanes, Tie dye Ink, and TRI-CAP</i>	<i>Management and Marketing</i> \$5,620
GEORGE PUIA/ JILL WETMORE/ MARK POTTS SVSU Business and International Education (BIE) Project (Year 2 of 2) <i>U.S. Department of Education</i>	<i>Associate Dean/Dow Chemical Company Centennial Chair in Global Business Dean Assistant Dean</i> \$37,829
DANILO SIRIAS 2012 TOC for Education Virtual Conference <i>Theory of Constraints for Education, Inc. (TOCFE)</i>	<i>Management and Marketing</i> \$2,500
Total Amount FY 2012	\$45,949

Internally Sponsored Awards

	Dollars Allocated/ Release Time Allocated
<u>SVSU Faculty Research and Professional Growth Awards</u>	
ANTHONY BOWRIN <i>Accounting</i> Human Resources Disclosures by Publicly-Listed Caribbean Companies	3 hours
MAZEN JABER <i>Marketing</i> Temporal Reframing of Cause-Related Marketing Offers	\$2,600/ 3 hours
YU LIU <i>Management</i> Alliance Experience, IT-Enabled Learning, and Alliance Value Gains	3 hours
KAUSTAV MISRA <i>Economics</i> The Effects of Community Social Capital on School Performance: A Spatial Approach	3 hours

SVSU Faculty Research and Professional Growth Awards (continued)

HONG PARK	<i>Economics</i> Empirical Study of Firms' Knowledge and Dynamic Capabilities Creation	\$3,790/ 3 hours
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Family Business Research Grant

JOSEPH OFORI-DANKWA/ SHIVA NADAVULAKERE/ KYLIE GOGGINS/ YU LIU	<i>College of Business</i> The Entrepreneurial Drive and Starting Family Business Firms: A Cross National Comparison of Ghana and American Firms	\$15,000
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Sabbaticals Granted for Research

SHYAMALENDU SARKAR	<i>Economics</i> U.S. Economic and Financial Crisis, 2006-2011	Fall 2012
DANILO SIRIAS	<i>Management and Marketing</i> Case Studies in Natural Management	Fall 2012

SVSU Faculty Supplement Funds for Conference Presentations

GARY CLARK	<i>Management and Marketing</i> Client-financed Projects: A Study of the Perceptions of Marketing Faculty at AACSB Accredited Schools	\$561
KYLIE GOGGINS	<i>Economics</i> Determinants of Youth Poverty: A Zip Code vs. County Wide Analysis	\$500
MAZEN JABER	<i>Management and Marketing</i> Is It Gas Worthy? Exploring the Effects of Monetary and Non-Monetary Discounts on Purchase Decisions	\$500
YU LIU	<i>Management and Marketing</i> Choices in Alliance Partner Selection: When Do They Create Value?	\$500
	A Dedicated Alliance Function, Information Technology, and the Integration of Alliance Experience	\$500

SVSU Faculty Supplement Funds for Conference Presentations (continued)

KAUSTAV MISRA	<i>Economics</i> Determinants of Youth Poverty: A Zip Code versus County Level Analysis	\$500
HONG PARK	<i>Economics</i> Capital Structure and Corporate Governance of Korean Chaebols and Large U.S. Firms	\$500
DANILO SIRIAS	<i>Management and Marketing</i> Improving Patient Flow in Emergency Departments by Incorporating a System-wide Priority System	\$500
CHRISTOPHER SURFIELD	<i>Economics</i> Mass Layoffs, Manufacturing and Business Climate Rankings: Does State Policy Matter?	\$756

COLLEGE OF EDUCATION

Externally Sponsored Awards

Grants, Contracts, and Appropriations

TAMARA BARRIENTOS	<i>Math Science Center</i>
Algebra for All	
Michigan Department of Education	\$67,800
Moving Mathematical Thinking Forward Continuation	
Michigan Department of Education.....	\$219,672
Supporting the Implementation of Intel ® Math (Year 1 of 2)	
Michigan Department of Education	\$250,000
Math and Science Center 2011-2012	
Michigan Department of Education.....	\$58,209
Moving Mathematical Thinking Forward	
Michigan Department of Education (additional funding).....	\$11,803
POONAM KUMAR	<i>Educational Technology and Development</i>
SVSU Special Education Preservice Reform and Induction (Year 5 of 5)	
U.S. Department of Education: Office of Special Education & Rehabilitative Services.....	\$99,976
ANNE TAPP	<i>Education Technology and Development</i>
SimSchool Higher Education Partner - Level III	
Association for the Advancement of Computers in Education.....	\$37,600
CAROLYN WIERDA	<i>Interim Associate Dean/Executive in Residence</i>
Collaboration Consulting Services	
Bay-Arenac ISD.....	\$8,952
RODNEY WILLIAMS	<i>Teacher Education - Middle/Secondary Education</i>
Preparing Teachers for MI Merit Social Studies Curriculum Continuation	
Michigan Department of Education	\$208,884
Total Amount Awarded FY 2012	\$962,896

Internally Sponsored Awards

<u><i>SVSU Faculty Research and Professional Growth Awards</i></u>		Dollars Allocated/ Release Time Allocated
MYRA FALL	<i>Teacher Education – Elementary/Special Education</i> Enhancing Verbal Skills: Applications of Life Space Crisis Intervention	\$2,761
VETTA VRATULIS	<i>Teacher Education – Elementary/Special Education</i> Processes of Transmediation with Stop-Motion Animation Within Elementary Contexts	\$3,000/ 2 hours

College of Education Research Award

SUSAN HILLMAN	<i>Teacher Education - Elementary/Special Education</i> Knowledge, Practices, and Curriculum for Teaching Mathematics	\$3,000
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Sabbaticals Granted for Research

SUSAN HILLMAN	<i>Teacher Education - Elementary/Special Education</i> Mathematics Knowledge, Practices, and Curriculum for Teaching in India	Fall 2012
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SVSU Faculty Supplemental Funds for Conference Presentations

MYRA FALL	<i>Teacher Education – Elementary/Special Education</i> Using Diversity to help build a Classroom Community	\$386
SUSAN HILLMAN	<i>Teacher Education – Elementary/Special Education</i> Teaching and Learning as Cultural Practice Informing Teacher Education	\$500
	A Global Curriculum? Understanding Teaching and Learning in the US, Taiwan, India, and Mexico	\$500
	Equity and Algebra for At-Risk Students	\$500
	Changing Global Perspectives: Implications for Elementary Mathematics in India and U.S. Classrooms	\$500
POONAM KUMAR	<i>Education Technology and Development</i> Creating Value from Social Media: Cases and Applications	\$500

SVSU Faculty Supplemental Funds for Conference Presentations (continued)

DEBRA LIVELY	<i>Teacher Education – Elementary/Special Education</i> An Itinerant Teacher/Home Visitor’s Dilemma: How Do I Avoid Common Pitfalls When Delivering Services?	\$500
DOROTHY MILLAR	<i>Education Technology and Development</i> What Every Educator and Family Member should Know to Ensure Students Remain Autonomous Individuals	\$500
	GPS: Guardianship Prevention Strategies - Navigating the Adulthood Journey While Maintaining Autonomy	\$500
ERVIN SPARAPANI	<i>Teacher Education – Middle/Secondary Education</i> Differentiating Instruction and the Thinking/Learning System: Teaching for Higher-Level Thinking	\$500
ANNE TAPP	<i>Teacher Education</i> An Itinerant Teacher/Home Visitor’s Dilemma: How Do I Avoid Common Pitfalls When Delivering Services?	\$500
	Does the use of Technology Actually Help English as a Second Language Students?, Generating Realistic Data for Educational Simulation, and State of the Art Virtual Technologies and Instructional Strategies in the 21st Century Education	\$500
GARDNER UMBARGER	<i>Teacher Education – Elementary/Special Education</i> Preparing Professionals to Work with Low-Incidence Disabilities	\$444
	Vaccines and Autism: the State of the Science and Research	\$316
VETTA VRATULIS	<i>Teacher Education – Elementary/Special Education</i> Exploring social negotiations of digital construction within two elementary school classrooms	\$863
	Exploring Social Negotiations of Digital Construction within a Grade 5 Classroom	\$567

CRYSTAL M. LANGE COLLEGE OF HEALTH AND HUMAN SERVICES

Externally Sponsored Awards

Grants, Contracts, and Appropriations

KAREN BROWN-FACKLER	<i>Nursing</i>	
Scholarships for Disadvantaged Students Program, FY 2012		
<i>HHS: Health Resources & Services Administration</i>		\$54,497
Advanced Education Nursing Traineeship (AENT) Program, FY 2011		
<i>U.S. Department of Health and Human Services</i>		\$34,943
MARGARET FLATT	<i>Nursing</i>	
Nursing Workforce Diversity Program (Year 3 of 3)		
<i>U.S. Department of Health and Human Services</i>		\$288,272
JEFFREY SMITH	<i>Health Sciences</i>	
TBI, Stroke, and Degenerative Disk Studies		
<i>Field Neurosciences Institute</i>		\$40,000
CHARLES WEAVER	<i>Health Sciences</i>	
Alzheimer's Disease Study		
<i>Field Neurosciences Institute</i>		\$5,000
The Role of Chronic Infection in the Generation of Alzheimer Type Tau Pathology		
<i>Davidson College / Howard Hughes Medical Institute</i>		\$8,000
Total Amount Awarded FY 2012		\$430,712

Internally Sponsored Awards

		Dollars Allocated/ Release Time Allocated
<u>SVSU Faculty Research and Professional Growth Awards</u>		
JOHN LOWRY	<i>Kinesiology</i>	\$3,970
	Medical Education Research Certificate	
JESSICA MOSPAN	<i>Kinesiology</i>	\$1,000
	Continued Degree Work	

SVSU Faculty Research and Professional Growth Awards (continued)

CHARLES WEAVER	Health Sciences Effect of Borrelia Burgdorferi on the Generation of Neurofibrillary Pathology in Rat Primary Neurons	\$6,475
STEPHEN YANCA	Social Work Research on Generalist Social Work Practice with Individuals, Families, Groups, Organizations, and Communities	\$2,160/ 3 hours

SVSU Foundation Resource Grants

VANESSA BROOKS HERD	Social Work Study Abroad Trip to Uganda	\$5,500
ROSE LANGE	Nursing Students Attend and Present at Midwest Nursing Research Conference	\$1,800
LUCY MERCIER	Social Work LGBT Family Practice Service Learning	\$2,400
ELIZABETH ROE	Nursing Study Abroad Trip to Australia	\$10,000
MARCIA SHANNON	Nursing Study Abroad Trip to Peru	\$7,500

SVSU Faculty Supplemental Funds for Conference Presentations

DAVID BERRY	Kinesiology Case studies: Safe Experimentation and Reflection without Compromising Patient Care	\$500
	"Athletic Students' Perceptions and Preferences for Creating an Instructional DVD as a Therapeutic Modalities Course Assignment"	\$500
SALLY DECKER	Nursing The Use of Nursing Diagnoses in Concept-based Nursing Programs	\$500
	Use of QSEN Competencies for Advanced Practice: Rethinking an Evidence Based Practice Assignment at the Graduate Level	\$500

SVSU Faculty Supplemental Funds for Conference Presentations (continued)

MARK GIESLER	<i>Social Work</i> Bringing the Elephant into the Classroom: Consciousness-Raising Groups in a Human Behavior and the Social Environment Course	\$611
JAMIE HUFFMAN	<i>Nursing</i> A Home Healthcare Simulation for Women Veterans	\$1,200
JEREMY KNOUS	<i>Kinesiology</i> "Exercise Is Medicine On Campus: Participation Rates In A University Employee Wellness Program"	\$500
SHANNON McMORROW	<i>Health Sciences</i> Interdisciplinary Understanding of the Role of News Media and HIV Prevention in Kenya: A Comparison of Data from the Daily Nation Newspaper and Demographic and Health Surveys from 1989-2003	\$500
JOSHUA ODE	<i>Kinesiology</i> R1 vs. R2 vs. R3 schools - What's the difference and what are the expectations of assistant professors at each?	\$832

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

Externally Sponsored Awards

Grants, Contracts, and Appropriations

STEPHANIE BROUET	Chemistry
Development of Unique Ligands for Aqueous Enantioselective Lewis Acid Catalysts and Their Application to Heterogeneous Catalysts	
Michigan Space Grant Consortium	\$5,000
BROOKS BYAM	Mechanical Engineering
Seven 2012 Mechanical Engineering Capstone Design Projects	
ACRA Cast Foundry, Bavarian Inn, Bernier Cast Metals, Duperon Corp., Huhtamaki Plastics and Duro-Last Roofing.....	
	\$62,000
ALAN FREED	Mechanical Engineering
Viscoelastic Model for Lung Parenchyma for Multi-Scale Modeling (Year 2 of 2)	
National Institutes of Health.....	\$41,558
DEB HUNTLEY	Dean
SVSU's Strengthening Institutions Project FY 2009 – 2013 (Year 4 of 5)	
U.S. Department of Education	\$356,105
GARRY JOHNS	Mathematical Sciences
MSGC Affiliate Representative – Administrative Support	
Michigan Space Grant Consortium	\$1,500
DAVID KARPOVICH	Chemistry
SVSU and Delta College Kawkawlin River Education and Research Initiative	
SC Johnson	\$2,500
ACS Project SEED 2011	
American Chemical Society	\$10,000
Testing for E-coli and Phosphorous in the Kawkawlin River	
Kawkawlin River Watershed Property Owners Association	\$1,000
THOMAS KULLGREN	Mechanical Engineering
Development of High Strength, High Fatigue Wind Blade Spars, Phase II (Year 1 of 2)	
U.S. Department of Energy	\$131,322

TAI-CHI LEE/ CHRISTOPHER PLACHTA Field Programmable Gate Array and Existing CPU Michigan Space Grant Consortium – Undergraduate Fellowship Program.....	Computer Science & Information Systems/ Student	\$2,500
TAI-CHI LEE MRI: Development of Custom Platform with Parallel Application from Rapid Simulation (PARS) Interconnecting DSPs and FPGAs for High Performance Computing National Science Foundation	Computer Science & Information Systems	\$123,144
MORTEZA MARZJARANI/ LAUREN HOFFMAN Prediction of Temperature Using General Linear Mixed Models Michigan Space Grant Consortium – Undergraduate Fellowship Program.....	Computer Science & Information Systems/ Student	\$2,500
ROSALYN SWEETING Tumorigenicity Study Field Neurosciences Institute	Biology	\$5,000
ROBERT TUTTLE/ JOSHUA GIDDINGS Effect of Melt Filtering on Mechanical Properties of Silicon Containing Plain Carbon Steel Michigan Space Grant Consortium – Undergraduate Fellowship Program	Mechanical Engineering/ Student	\$2,500
ROBERT TUTTLE Understanding Solidification Based Grain Refinement in Steels (Year 1 of 3) Office of Naval Research	Mechanical Engineering	\$159,979
Acquisition of a Complete Optical Emission Spectrometer and Sample Grinding Station Office of Naval Research.....		\$59,671
Total Amount Awarded FY 2012		\$966,279

Internally Sponsored Awards

		Dollars Allocated/ Release Time Allocated
<u>SVSU Faculty Research and Professional Growth Awards</u>		
STEPHANIE BROUET	Chemistry Investigations and Methodology Development of Dual Action Antibiotics	\$4,300/ 1.6 hours
OLIVIER HEUBO-KWEGNA	Mathematical Sciences Star Operations/Fuzzy Sets and Systems	4 hours
KASSIANI KOSTIDOU	Electrical and Computer Engineering Powder Metallurgy (PM) Magnets	\$3,500

SVSU Faculty Research and Professional Growth Awards (continued)

TAI CHI LEE	<i>Computer Science and Information Systems</i> A Computing Platform Based on FPGA (Field Programmable Gate Array) for Software/Hardware Co-Design	\$3,500
THOMAS MAHANK	<i>Mechanical Engineering</i> Laser Glazing of Porous Materials	\$4,875
ARTHUR MARTIN	<i>Biology</i> Supply Funds for Sustaining Behavioral Research at SVSU	\$500
LAURIE REED	<i>Physics</i> Study and Acquisition of Advanced Content Knowledge to Upgrade Teaching Skills in General Education Physics 106B Meteorology	4 hours
AMANDA ROSS	<i>Biology</i> DNA Fingerprinting of the Common Reed, <i>Phragmites Australis</i>	\$6,742
ARPITA SAHA	<i>Chemistry</i> Synthesis of 3d and 3d/4f Metal Clusters and Their Supramolecular Arrangement in Light of Making Quantum Devices	\$5,000/ 4 hours
MATTHEW VANNETTE	<i>Physics</i> Expansion of Experimental Capabilities in Condensed Matter Physics	\$4,000

SVSU Foundation Resource Grants

STEPHANIE BROUET	<i>Chemistry</i> Undergraduate Students Presenting at the ACS National Meeting	\$1,600
BROOKS BYAM	<i>Mechanical Engineering</i> Wheelchair Accessible Swingset for Millet Learning Center	\$6,000
TAI CHI LEE	<i>Computer Science and Informations Systems</i> Creating Customized Computer Platforms using FPGA's	\$4,810

SVSU Foundation Resource Grants (continued)

THOMAS MAHANK	<i>Mechanical Engineering</i> CFD Flow Modeling of Formula SAE Racecar Engine Intake Plenum	\$2,432
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Sabbaticals Granted for Research

ZHIDONG PAN	<i>Mathematical Sciences</i> Reflexivity of Transformations and Characterization of Derivable Maps	Winter 2013
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SVSU Faculty Supplemental Funds for Conference Presentations

STEPHANIE BROUET	<i>Chemistry</i> Methodology Development of Nucleophilic Addition to Cefotaxime	\$810
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CURTIS GROSSE	<i>Mathematical Sciences</i> How an Actuary Models Financial Risk in Equity Markets	\$491
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OLIVER HEUBO-KWEGNA	<i>Mathematical Sciences</i> Fuzzy Semistar Operations on Inegral Domains	\$500
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YOUSSEF JABBARI	<i>Mechanical Engineering</i> Design of an Apparatus to Measure the Unsteady Temperature Distribution Around Straight and U-Shaped Heated Cylinders Buried Vertically in an Infinite Medium	\$500
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GARRY JOHNS	<i>Mathematical Sciences</i> "Are We There Yet?" In Search of the Best Discrete Distance	\$500
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GARY LANGE	<i>Biology</i> Experimental Design for Analysis of Effects of Endocrine Disrupting Compounds on Sperm Competition in Rats	\$881
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TAI CHI LEE	<i>Computer and Informations Systems</i> Key Generation in Elliplic Curve Cryptosystems over GF	\$325
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SVSU Faculty Supplemental Funds for Conference Presentations (continued)

ARTHUR MARTIN	<i>Biology</i> Urine as a Signal of Dominance	\$500
JASON PAGANO	<i>Chemistry</i> Flow-Controlled Synthesis and Characterization of Tubular Structures	\$500

INSTITUTIONAL

Externally Sponsored Awards

Grants, Contracts and Appropriations

DIANE BOEHM	<i>University Writing Program</i>
Living Through Literacy	
Michigan Campus Compact	\$1,070
Oakland Literacy Project	
Michigan Department of Education.....	\$15,239
The Saginaw Bay Writing Project FY 2012	
National Writing Project.....	\$35,000
CLIFFORD DORNE	<i>Enrollment Management</i>
SVSU Project Pass (Year 1 of 6)	
State of Michigan – King, Chavez, Parks Initiative.....	\$114,050
HARRY LEAVER	<i>Center for Business and Economic Development</i>
Michigan Manufacturing Technology Center – Northeast Administration FY 2012	
Michigan Economic Development Corporation.....	\$158,750
JANET RENTSCH	<i>Sponsored Programs</i>
Middle College Partnership Grant	
Michigan Department of Education.....	\$45,000
MAMIE THORNS	<i>Diversity Programs</i>
MI GEAR UP/College Day (Year 1 of 6) (Federal Grant + State Appropriated Funds)	
Michigan Dept. of Education: Dept. of Labor & Economic Growth/U.S. Department of Education.....	\$63,082
KCP Visiting Professors Program 2011-2012	
State of Michigan – King, Chavez, Parks Initiative.....	\$9,264
KCP Future Faculty Fellowship Program 2011-2012	
State of Michigan – King, Chavez, Parks Initiative.....	\$29,533
State Equity Conference and State Future Faculty Conference	
State of Michigan – King, Chavez, Parks Initiative.....	\$25,852

MARSHALL M. FREDERICKS SCULPTURE MUSEUM

MELISSA FORD	Marshall M. Fredericks Sculpture Museum	
Memories of World War II Exhibition		
Michigan Humanities Council		\$12,500
ANDREA ONDISH	Marshall M. Fredericks Sculpture Museum	
Saginaw County Juvenile Detention Center Mural Program		
Saginaw Community Foundation.....		\$2,000
MARILYN WHEATON	Marshall M. Fredericks Sculpture Museum	
Tom Phardel and Sharon Que, A Three Dimensional Perspective		
Michigan Council for Arts and Cultural Affairs.....		\$2,800
National Endowment for the Humanities.....		\$3,200
Marshall M. Fredericks Sculpture Museum Operations Support		
SC Johnson.....		\$500
Frank N. Andersen Foundation.....		\$5,000
2012 Regional Biennial Juried Sculpture Exhibition		
Maxwell K. Pribil Memorial Fund		\$5,000
Meijer Foundation		\$5,000
Total Amount Awarded FY 2012		\$532,840

Internally Sponsored Awards

SVSU Foundation Resource Grants

BRYAN CRAINER	Academic Advising SVSU Resource Manual for Students	\$1,716
MICHAEL WATSON	Athletics Michael Franzese Gambling Lecture	\$5,000

STUDENT RESEARCH AND CREATIVITY INSTITUTE AWARDEES

<i>Student</i>	<i>Faculty Mentor</i>	<i>College</i>	<i>Amount</i>
<p>MARA BERTON To use a hands-on stage management internship experience and personal interviews to investigate the role of culture in theatre, and compare professional practices for international stage managers during a research project in Barcelona, Spain.</p>	Steven Erickson	Arts and Behavioral Sciences	\$5,449
<p>ERIC GIBELYOU To help fund a trip to Rome to take part in the 3 week performance-intensive music event 2011 Chamber Music Seminar of the Rome Festival.</p>	Jane Girdham	Arts and Behavioral Sciences	\$6,573
<p>KATIE CONLON/ALYSSA TARRANT To isolate isoprene synthase genes and to perform an isoprene synthase enzyme assay.</p>	Dennis Gray	Science, Engineering and Technology	\$9,723
<p>KATELYN BILBEE/MICHELLE SOVA To study the effects of the “Handwriting Without Tears” curriculum on adults with developmental disabilities.</p>	Ellen Herlache	Health and Human Services	\$1,486
<p>NANCY LACKEY To fund research to examine the effects of three suspected endocrine disrupting chemicals (bisphenol-A, styrene, and polychlorinated biphenol) on sperm competition in rats.</p>	Gary Lange	Science, Engineering and Technology	\$4,500
<p>TODD ANDRZEJEWSKI/DUSTIN FINN/JOSH HAND To design and construct a vermicompost dryer.</p>	Thomas Mahank	Science, Engineering and Technology	\$2,200
<p>MATTHEW WOLF To fund research to propose whether or not the odor that crayfish respond to is in fact conspecific urine.</p>	Arthur Martin	Science, Engineering and Technology	\$4,168

Student Research and Creativity Institute Awardees (continued)

<p>CHRISTOPHER APPLIN To fund research, including travel expenses to attend conferences, and to create an original, innovative essay that explores and expands existing knowledge regarding gender criticism and theory.</p>	<p>Elizabeth Rich</p>	<p>Arts and Behavioral Sciences</p>	<p>\$2,033</p>
<p>SARAH FLUHARTY To fund an investigation of the impact that an enriched environment has on the recovery of rats following a traumatic brain injury, and to gain further insight into how these changes affect specific brain structures.</p>	<p>Jeffrey Smith</p>	<p>Arts and Behavioral Sciences</p>	<p>\$9,968</p>
<p>KASEY MORITZ To study the effects of post-injury environments on depression and anxiety in rats following traumatic brain injury.</p>	<p>Jeffrey Smith</p>	<p>Health and Human Services</p>	<p>\$7,326</p>
<p>OLIVER KELLER To modify and enhance the current design of the Taber-Keller trap and to expand the ongoing research.</p>	<p>Stephen Taber</p>	<p>Science, Engineering and Technology</p>	<p>\$4,595</p>
<p>SCOTT MERROW To create a podcast and website for the purpose of delivering analytical information concerning key political issues.</p>	<p>Erik Trump</p>	<p>Arts and Behavioral Sciences</p>	<p>\$400</p>
<p>ASHLEY TUPPER To create a 6 month “No Falls on My Watch” initiative for proposed dissemination at each of five local partnering hospitals.</p>	<p>Deb Wagner</p>	<p>Health and Human Services</p>	<p>\$2,827</p>
<p>Total Amount Awarded FY 2012</p>			<p>\$61,248</p>