

Oakland University
Research Report
Fiscal Year 2017

Preface

This report from the Research Office presents the Fiscal Year (FY) 2017 Annual Report on external funding at Oakland University (OU). This report, which is a departure from recent reports that highlighted specific faculty and their research, is designed to give readers a comprehensive overview of the nature and extent of external funding provided to faculty and staff to support their research, instructional, public service, and creative activities. Detailed data are also provided for proposals that were submitted in FY 2017.

During FY 2017, OU attracted just under \$12 million in external funding, about a \$1 million increase over FY 2016. This continues a steady 4 year increase that totals 78%. As experts and leaders in their fields, OU faculty and staff continue to secure external funding for a broad range of robust research programs, many of which promote our strong collaborations with other universities and research institutes, private industry, and regional organizations. These collaborations are vital in a funding climate emphasizing cross-disciplinary collaboration and public-private partnerships for addressing complex societal needs.

Moreover, these sponsored programs support OU's mission to be a student-centered public research university by providing experiential learning opportunities that help position our students to becoming the next generation of scientists, engineers, educators, and performers, while also advancing society through the creation and mobilization of knowledge.

The Research Office deeply appreciates the efforts of the OU faculty and staff who submitted grant and contract proposals during FY 2017, and we extend our warmest congratulations to those who obtained external funding this year.

Technical Notes and Definitions

Annual Report Reporting Period

The **fiscal year (FY)** for OU is July 1 to June 30. This report includes data for all awards and proposals processed through the Research Office for FY 2017. An award is considered processed by the Research Office when it has been reviewed, institutionally endorsed (if necessary), and transferred to Accounting for account set up. A proposal is considered processed through the Research Office after the institutional review and sign off process is complete.

Definition of Award

An **award** is a funded project for which OU has received an official notice of award or executed contract from a sponsor requiring the university to undertake a particular activity and for which a deliverable is expected. Awards that provide full funding in the first year of a multi-year project are included in the fiscal year the award was made. Award dollars received from sponsors that provide funding for specific budget periods within a multi-year project (i.e. incremental awards) are included in the fiscal year for which funding is received. Consequently, funding can fluctuate for a department or college depending on how a project is funded. Direct year by year comparisons should always be made with caution.

Definition of Proposal

A **proposal** is a request for financial support for a particular sponsored activity and that is routed through the Research Office. It is important to recognize that there is no correlation between the proposals and awards in this report as many of the proposals submitted for the previous year are still pending with the sponsor.

Intellectual Credit

For projects that have Co-PIs, the total award is allocated to the lead Principal Investigator (PI) and their respective home academic unit or center. Each Co-PI's participation on the project is indicated with a notation under the Co-PI's home academic unit or center to see the lead PI's entry for complete award details.

Sponsor Types

The Research Office recognizes five categories of **sponsors**: federal, state, corporate, and public/non-profit. Federal sponsors for proposals and awards include direct federal funding as well as flow-through funding for which federal dollars come to OU through a non-federal entity (e.g. state agency or other university). Public/non-profit sponsors include non-Michigan institutions of higher education, municipalities, civic organizations, as well as non-profit and non-governmental organizations.

Report Layout

This report is separated into five (5) sections. The first section, award overview, provides information about all sponsored awards received by OU through the Research Office for the previous fiscal year. The following three sections include award information separated according to the following activity types: 1) research; 2) instruction; and 3) other sponsored activities. The final section of the report includes information on proposal submissions for the previous fiscal year.

Research

Research and development include both fundamental and applied research activities wherein a systematic study to gain knowledge and understanding of a particular phenomenon or observable facts may have specific applications or products in mind. Research also includes funding to maintain research facilities, disseminate project findings, and train individuals in research techniques or methods.

Instruction

This activity defines teaching and training activities of the institution, with the exception of research training which is identified as research, that are intended to elicit some measure of educational change in a learner or in a group of learners. Instruction includes all teaching and training activities, whether offered for credit(s) towards a degree or certificate, on a non-credit basis, or through regular academic departments or separate divisions, such as a summer school division or an extension division.

Other Sponsored Activities

These programs include public service programs that bring the various resources and capabilities of OU to the community to respond to a local need. Other sponsored programs may also include student support programs, testing and evaluation activities that do not meet the definition of research, joint appointment agreements, and some workshop and travel grants.

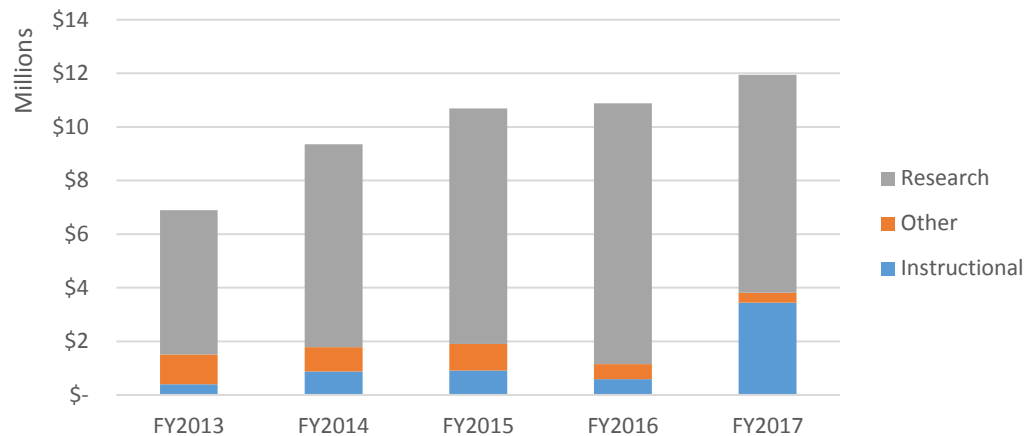
“Other” Academic Unit

Though academic unit category is utilized, non-academic arenas do exist on campus. As such, the term “Other” is used for involvement that does not fall within the formal academic unit structure. This includes, but is not limited to, campus areas such as Academic Affairs Office, Athletics Administration, Campus Police, Campus Recreation, Center for Multicultural Initiatives, Facilities Management, Financial Aid, Macomb-OU Incubator, OU INC, Pre-College Programs, the Research Office, Student Affairs, and Upward Bound.

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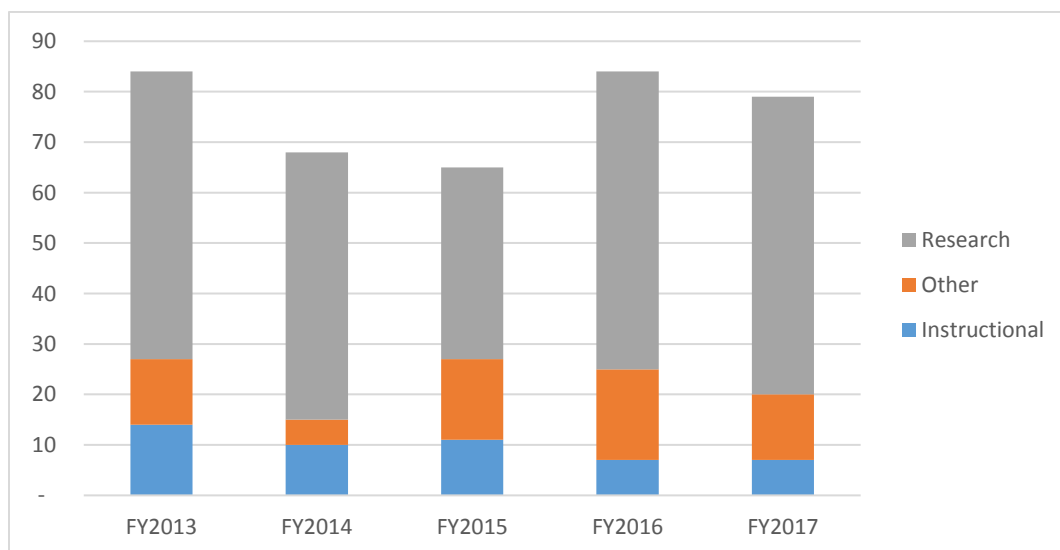
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Amounts and Number of Awards by Purpose



Funding Amount of New Awards

Purpose of Funding	FY2013	FY2014	FY2015	FY2016	FY2017	Total
Research	\$5,384,824	\$7,579,869	\$8,785,245	\$9,732,985	\$8,126,866	\$39,609,789
Other Sponsored Activity	\$1,114,465	\$907,400	\$999,890	\$559,440	\$379,769	\$3,960,964
Instructional Programs	\$398,161	\$871,696	\$907,104	\$585,612	\$3,438,237	\$6,200,810
Total	\$6,897,450	\$9,358,965	\$10,692,239	\$10,878,037	\$11,944,872	\$49,771,563

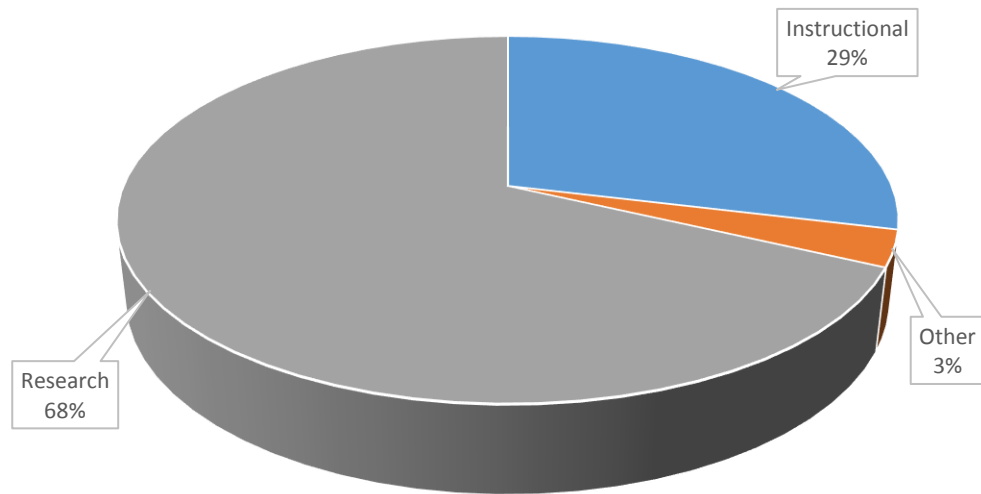


Number of Awards

Purpose of Funding	FY2013	FY2014	FY2015	FY2016	FY2017	Total
Research	57	53	38	59	59	266
Other Sponsored Activity	13	5	16	18	13	65
Instructional Programs	14	10	11	7	7	49
Total	84	68	65	84	79	380

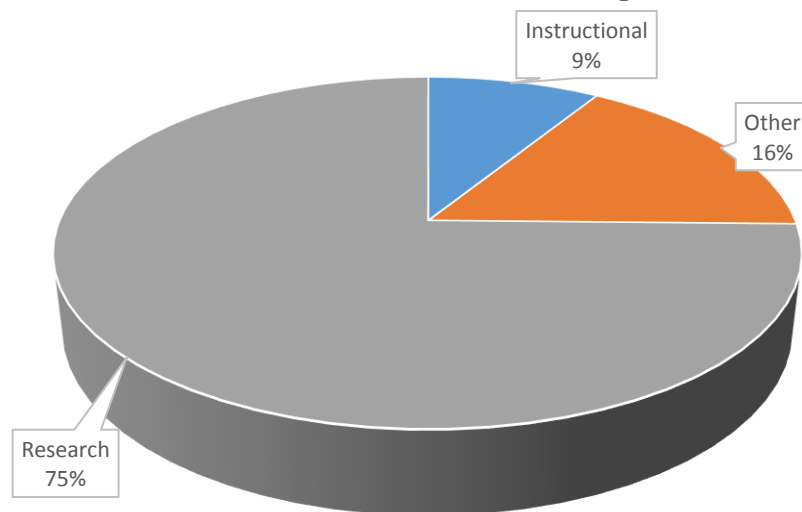
Amounts and Number of Awards by Purpose

FY2017 • Funding Amount Percentages



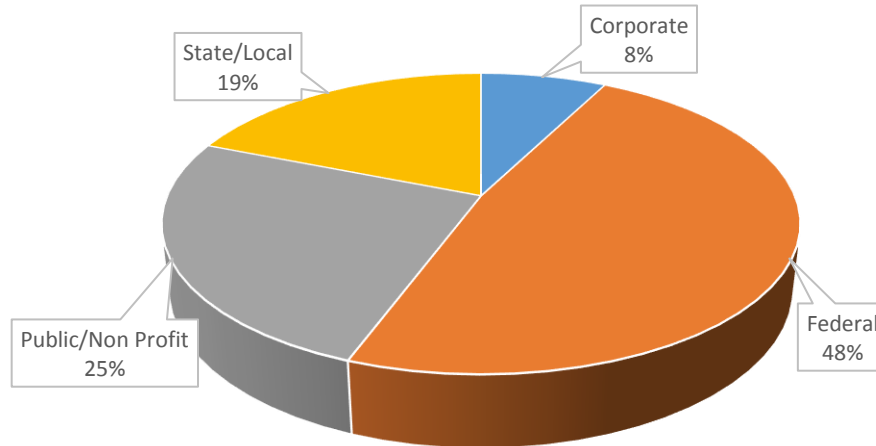
Purpose of Funding	Number of Awards	Total
Research	59	\$8,126,866
Other Sponsored Activity	13	\$379,769
Instructional Programs	7	\$3,438,237
Total	79	\$11,944,872

FY2017 • Number Percentage



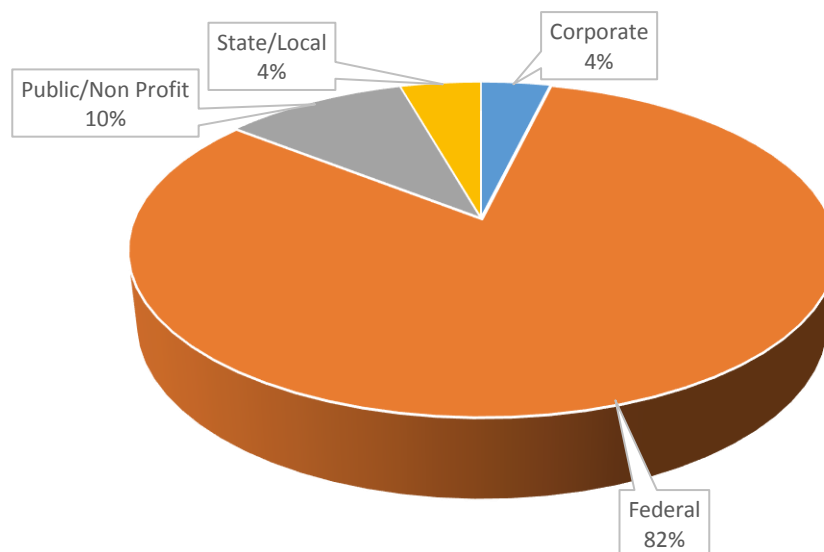
Amounts and Number of Awards by Source

FY2017 - Number of Awards

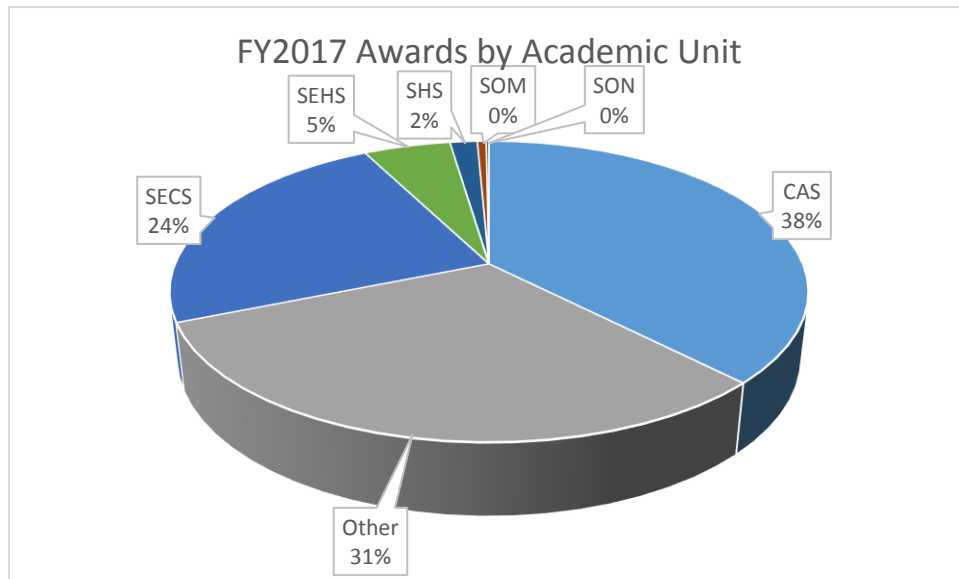


Source of Funding	Number of Awards	Total
Federal Government	38	\$9,771,133
State/Local Government	15	\$528,265
Corporate Sponsors	6	\$451,311
Public/Non Profit Sponsors	20	\$1,194,163
Total	79	\$11,944,872

FY2017 - Funding Percentages



Awards by Academic Unit



Purpose of Funding	FY2015	FY2016	FY2017	Total
College of Arts & Sciences	\$2,392,872	\$4,739,354	\$4,491,729	\$11,623,955
Eye Research Institute	\$1,839,321	\$2,220,027		\$4,059,348
School of Business Administration	\$39,439			\$39,439
School of Engineering and Computer Science	\$2,903,907	\$2,536,276	\$2,813,107	\$8,253,290
School of Education and Human Services	\$502,000	\$398,000	\$625,994	\$1,525,994
School of Health Sciences	\$1,952,244	\$28,061	\$197,346	\$2,177,651
School of Medicine	\$3,350	\$11,568	\$63,984	\$78,902
School of Nursing	\$54,415	\$266,545	\$20,450	\$341,410
Other	\$1,004,691	\$678,206	\$3,732,262	\$5,415,159
Total	\$10,692,239	\$10,878,037	\$11,944,872	\$33,515,148

Academic Department Rankings

	Department/Unit	Dollars	Academic Unit
1	Biological Sciences	\$2,578,789	College of Arts & Sciences
2	Computer Science and Engineering	\$1,183,780	Engineering & Computer Science
3	Electrical and Computer Engineering	\$999,299	Engineering & Computer Science
4	Psychology	\$830,266	College of Arts & Sciences
5	Physics	\$675,829	College of Arts & Sciences

Non-Academic and Other Unit Rankings

	Department/Unit	Dollars
1	Upward Bound	\$3,075,850
2	Pre-college Programs	\$196,023
3	OU INC	\$119,025
4	Office of the Senior Associate Provost	\$100,000
5	Center for Multicultural Initiatives	\$91,364

Comparison of FY2016 and FY2017

Amounts Awarded by Academic Unit and Other Administrative Units

<i>College of Arts & Sciences</i>	FY2016 Awards	FY2017 Awards
<i>Art and Art History</i>	\$ 12,000	\$ 18,000
<i>Biological Sciences</i>	\$ 729,490	\$ 2,578,789
<i>Chemistry</i>	\$ 1,130,098	\$ 313,845
<i>Mathematics and Statistics</i>	\$ 19,847	
<i>Modern Languages and Literatures</i>	\$ 17,500	
<i>Physics</i>	\$ 2,818,819	\$ 675,829
<i>Psychology</i>	\$ 11,600	\$ 830,266
<i>Sociology and Anthropology</i>		\$ 50,000
<i>Writing and Rhetoric</i>		\$ 25,000
<i>CAS Total</i>	\$ 4,739,354	\$ 4,491,729

Eye Research Institute

<i>Eye Research Institute</i>	\$ 2,220,027	\$ 0
<i>ERI Total</i>	\$ 2,220,027	\$ 0

School of Engineering & Computer Science

<i>Computer Science and Engineering</i>	\$ 754,526	\$ 1,183,780
<i>Electrical and Computer Engineering</i>	\$ 117,477	\$ 999,299
<i>Industrial and Systems Engineering</i>	\$ 35,000	\$ 55,000
<i>Mechanical Engineering</i>	\$ 1,629,273	\$ 575,028
<i>SECS Total</i>	\$ 2,536,276	\$ 2,813,107

School of Education & Human Services

<i>Human Development and Child Study</i>	\$ 380,000	
<i>Reading and Language Arts</i>	\$ 18,000	
<i>Human Development and Child Studies</i>		\$ 625,994
<i>SEHS Total</i>	\$ 398,000	\$ 625,994

School of Health Sciences

<i>Health Sciences</i>	\$ 28,061	\$ 174,046
<i>Physical Therapy</i>		\$ 23,300
<i>SHS Total</i>	\$ 28,061	\$ 197,346

Comparison of FY2016 and FY2017

Amounts Awarded by Academic Unit and Other Administrative Units

School of Medicine

	FY2016 Awards	FY2017 Awards
<i>School of Medicine</i>	\$ 11,568	\$ 63,984
<i>SOM Total</i>	\$ 11,568	\$ 63,984

School of Nursing

<i>Nursing</i>	\$ 266,545	\$ 20,450
<i>SON Total</i>	\$ 266,545	\$ 20,450

Other

<i>Campus Recreation</i>		\$ 20,000
<i>Center for Multicultural Initiatives</i>	\$ 91,364	\$ 91,364
<i>Center for Student Activities</i>	\$ 10,550	
<i>Macomb-OU Incubator</i>	\$ 281,590	\$ 55,000
<i>The Research Office</i>	\$ 25,000	\$ 25,000
<i>Office of the Senior Associate Provost</i>	\$ 40,000	\$ 100,000
<i>OU INC</i>	\$ 221,800	\$ 119,025
<i>Police Department</i>	\$ 7,902	
<i>Pre-College Programs</i>		\$ 196,023
<i>Student Affairs</i>		\$ 50,000
<i>Upward Bound</i>		\$ 3,075,850
<i>Other Total</i>	\$ 678,206	\$ 3,732,262

Oakland University Total

<i>Grand Total</i>	\$ 10,878,037	\$ 11,944,872
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Amount Awarded by Purpose, FY 2017

<i>College of Arts & Sciences</i>	Research	Instructional	Other
<i>Art and Art History</i>			\$ 18,000
<i>Biological Sciences</i>	\$ 2,578,789		
<i>Chemistry</i>	\$ 313,845		
<i>Physics</i>	\$ 675,829		
<i>Psychology</i>	\$ 797,506		\$ 32,760
<i>Sociology and Anthropology</i>	\$ 50,000		
<i>Writing and Rhetoric</i>	\$ 10,000	\$ 15,000	
<i>CAS Total</i>	\$ 4,425,969	\$ 15,000	\$ 50,760

School of Engineering & Computer Science

<i>Computer Science and Engineering</i>	\$ 1,183,780		
<i>Electrical and Computer Engineering</i>	\$ 999,299		
<i>Industrial and Systems Engineering</i>	\$ 55,000		
<i>Mechanical Engineering</i>	\$ 575,028		
<i>SECS Total</i>	\$ 2,813,107		

School of Education & Human Services

<i>Human Development and Child Studies</i>	\$ 625,994		
<i>SEHS Total</i>	\$ 625,994		

School of Health Sciences

<i>Health Sciences</i>	\$ 174,046		
<i>Physical Therapy</i>	\$ 23,300		
<i>SHS Total</i>	\$ 197,346		

School of Medicine

<i>School of Medicine</i>	\$ 54,000		\$ 9,984
<i>SOM Total</i>	\$ 54,000		\$ 9,984

Amount Awarded by Purpose, FY 2017

<i>School of Nursing</i>	Research	Instructional	Other
<i>Nursing</i>	\$ 10,450	\$ 10,000	
<i>SON Total</i>	\$ 10,450	\$ 10,000	

<i>Other</i>			
<i>Campus Recreation</i>			\$ 20,000
<i>Center for Multicultural Initiatives</i>		\$ 91,364	
<i>Macomb-OU Incubator</i>			\$ 55,000
<i>Office of Research Administration</i>			\$ 25,000
<i>Office of the Senior Associate Provost</i>			\$ 100,000
<i>OU INC</i>			\$ 119,025
<i>Pre-College Programs</i>		\$ 196,023	
<i>Student Affairs</i>		\$ 50,000	
<i>Upward Bound</i>		\$ 3,075,850	
<i>Other Total</i>		\$ 3,413,237	\$ 319,025

<i>Oakland University Total</i>			
<i>Grand Total</i>	\$ 8,126,866	\$ 3,438,237	\$ 379,769

Amount Awarded by Source, FY 2017

College of Arts & Sciences

	Federal	State/Local	Corporate	Public/Non Profit
<i>Art and Art History</i>		\$ 18,000		
<i>Biological Sciences</i>	\$ 2,007,553			\$ 571,236
<i>Chemistry</i>	\$ 2,500	\$ 158,314		\$ 153,031
<i>Physics</i>	\$ 675,829			
<i>Psychology</i>	\$ 796,506			\$ 33,760
<i>Sociology and Anthropology</i>		\$ 50,000		
<i>Writing and Rhetoric</i>	\$ 15,000			\$ 10,000
<i>CAS Total</i>	\$ 3,497,388	\$ 226,314		\$ 768,027

School of Engineering & Computer Science

<i>Computer Science and Engineering</i>	\$ 1,173,637			\$ 10,143
<i>Electrical and Computer Engineering</i>	\$ 800,867		\$ 198,432	
<i>Industrial and Systems Engineering</i>	\$ 5,000		\$ 50,000	
<i>Mechanical Engineering</i>	\$ 372,149		\$ 202,879	
<i>SECS Total</i>	\$ 2,351,653		\$ 451,311	\$ 10,143

School of Education & Human Services

<i>Human Development and Child Studies</i>	\$ 560,994	\$ 65,000		
<i>SEHS Total</i>	\$ 560,994	\$ 65,000		

School of Health Sciences

<i>Health Sciences</i>	\$ 79,241	\$ 22,287		\$ 72,518
<i>Physical Therapy</i>		\$ 23,300		
<i>SHS Total</i>	\$ 79,241	\$ 5,587		\$ 72,518

School of Medicine

<i>School of Medicine</i>	\$ 9,984			\$ 54,000
<i>SOM Total</i>	\$ 9,984			\$ 54,000

Amount Awarded by Source, FY 2017

<i>School of Nursing</i>	Federal	State/Local	Corporate	Public/Non Profit
<i>Nursing</i>				\$ 20,450
<i>SON Total</i>				\$ 20,450

<i>Other</i>				
<i>Campus Recreation</i>				\$ 20,000
<i>Center for Multicultural Initiatives</i>		\$ 91,364		
<i>Macomb-OU Incubator</i>		\$ 55,000		
<i>The Research Office</i>		\$ 25,000		
<i>Office of the Senior Associate Provost</i>				\$ 100,000
<i>OU INC</i>		\$ 20,000		\$ 99,025
<i>Pre-College Programs</i>	\$ 196,023			
<i>Student Affairs</i>				\$ 50,000
<i>Upward Bound</i>	\$ 3,075,850			
<i>Other Total</i>	\$ 3,271,873	\$ 191,364		\$ 269,025

<i>Oakland University</i>				
<i>Total</i>				
<i>Grand Total</i>	\$ 9,210,139	\$ 528,265	\$ 451,311	\$ 1,755,157

Amount Awarded by Federal Agency**

<i>Agency</i>	FY2014	FY2015	FY2016	FY2017
<i>Beaumont Health System</i>	\$ 18,886			
<i>Centers for Disease Control and Prevention</i>		\$ 1,952,244		
<i>Department of Health and Human Services</i>	\$ 31,260			
<i>Health Resources and Services Administration</i>		\$ 34,415	\$ 58,346	
<i>HighScope Research Foundation</i>				\$ 560,994
<i>Los Alamos National Lab</i>				\$ 69,957
<i>Michigan Department of Labor & Economic Growth</i>				\$ 196,023
<i>Michigan Department of Natural Resources</i>				\$ 191,888
<i>Michigan Space Grant Consortium</i>	\$ 5,000	\$ 37,490	\$ 47,500	\$ 52,500
<i>Michigan State University</i>	\$ 1,138,014			
<i>National Aeronautics and Space Administration</i>			\$ 581,213	
<i>National Cancer Institute</i>			\$ 208,199	
<i>National Center for Manufacturing Sciences</i>			\$ 507,772	\$ 105,107
<i>National Institutes of Health</i>	\$ 2,458,924	\$ 2,172,908	\$4,959,780	\$1,277,018
<i>National Science Foundation</i>	\$ 1,362,241	\$ 2,060,048	\$1,826,724	\$3,410,486
<i>National Security Agency</i>			\$ 119,847	\$ 100,000
<i>National Writing Project</i>	\$ 60,000			\$ 15,000
<i>NIDILRR - Rehabilitation Research and Training Centers</i>				\$ 55,428
<i>Pacific Northwest National Laboratory</i>		\$ 82,998		\$ 82,999
<i>State of Michigan</i>		\$ 140,975		
<i>Stevens Institute of Technology</i>	\$ 100,785			
<i>SUNY Downstate Medical Center</i>			\$ 135,000	
<i>TACOM</i>	\$ 89,900	\$ 50,000		\$ 30,000
<i>United States Army</i>				
<i>U.S. Army</i>	\$ 2,600	\$ 4,000	\$ 8,000	\$ 4,000
<i>U.S. Department of Education</i>				\$3,075,850
<i>United States Council for Automotive Research, LLC</i>				\$ 80,086
<i>University of California</i>				\$ 430,000
<i>University of Colorado</i>	\$ 148,041			
<i>University of Houston</i>			\$ 38,733	
<i>University of Iowa</i>				\$ 9,984

Amount Awarded by Federal Agency**

<i>Agency/Sponsor</i>	FY2014	FY2015	FY2016	FY2017
<i>University of Michigan</i>	\$ 147,669	\$ 243,631		\$ 17,000
<i>University of New Mexico</i>		\$ 68,068		
<i>Vanderbilt University and Medical Center</i>	\$ 397,472			
<i>Veterans Affairs</i>				\$ 6,813
<i>Virginia Polytechnic Institute and State University</i>			\$ 240,000	
<i>Wayne State University</i>			\$ 70,000	
<i>Western Michigan University</i>	\$ 78,137			
<i>Winchester Technologies</i>	\$ 35,000	\$ 150,797		
<i>U.S. Department of Agriculture</i>			\$ 59,277	
<i>Oakland University Grand Total</i>	\$ 6,073,929	\$ 6,997,574	\$ 8,860,391	\$ 8,860,391

****Includes flow through funding**

Amount Awarded by State/Local Agency**

<i>Agency/Sponsor</i>	FY2014	FY2015	FY2016	FY2017
<i>Grand Valley State University</i>	\$ 39,400	\$ 519,200	\$ 290,390	\$ 85,000
<i>Macomb County</i>			\$ 9,000	
<i>Michigan Council for Arts and Cultural Affairs</i>				\$ 18,000
<i>Michigan Department of Community Health</i>	\$ 500,000	\$ 500,000		
<i>Michigan Department of Environmental Quality</i>				\$158,314
<i>Michigan Department of Health and Human Services</i>				\$ 88,300
<i>Michigan Economic Development Corporation</i>	\$ 520,000	\$ 221,352	\$ 25,000	\$ 25,000
<i>Michigan State Police</i>			\$ 10,550	
<i>Michigan State University</i>			\$ 5,800	
<i>Oakland County Health Division</i>	\$ 7,354		\$ 3,761	\$ 5,487
<i>Oakland County Homeland Security</i>			\$ 7,902	
<i>Oakland Schools</i>	\$ 10,000	\$ 83,000		\$ 56,800
<i>State of Michigan</i>		\$ 91,364	\$ 91,364	\$ 91,364
<i>Department of Education</i>	\$ 178,686		\$ 380,000	
<i>Oakland University Grand Total</i>	\$ 1,255,440	\$ 1,414,916	\$ 823,767	\$ 528,265

****Includes flow through funding**

Amount Awarded by Corporations

<i>Agency/Sponsor</i>	FY2014	FY2015	FY2016	FY2017
<i>AK Steel</i>	\$ 19,339			
<i>Amerilodge Group LLC</i>	\$ 5,000			
<i>ANLARA</i>			\$ 10,000	
<i>Auto/ Steel Partnership</i>	\$ 14,784		\$ 53,072	
<i>Axalta Coating Systems, LLC</i>		\$ 29,900		
<i>BetaCae Systems</i>		\$ 160,000		\$ 63,900
<i>Brar Technology</i>			\$ 5,027	
<i>Check Corporation</i>	\$ 250,000			
<i>Denso Corporation</i>	\$ 125,000			
<i>DTE</i>	\$ 1,000		\$ 35,000	
<i>ESI Group</i>		\$ 27,000		
<i>FCA</i>	\$ 414,914	\$ 597,612	\$ 270,424	\$ 312,861
<i>Ford Motor Company</i>	\$ 494,109		\$ 149,999	
<i>General Motors Corporation</i>	\$ 84,386			
<i>I*Logic Inc</i>			\$ 5,000	
<i>Intrepid Control Systems</i>		\$ 280,000		
<i>Lear Corporation</i>		\$ 36,000		
<i>Magna Electronics</i>			\$ 143,819	
<i>NBC Sports</i>	\$ 26,500			
<i>PPG Industries, Inc.</i>				\$ 74,550
<i>Retinal Solutions, LLC</i>			\$ 81,150	
<i>RHK Technology</i>		\$ 500,000		
<i>Suzhou Gas Equipment and Valve Manufacturing</i>	\$ 22,000			
<i>Oakland University Grand Total</i>	\$ 1,457,032	\$ 1,630,512	\$ 753,491	\$ 451,311

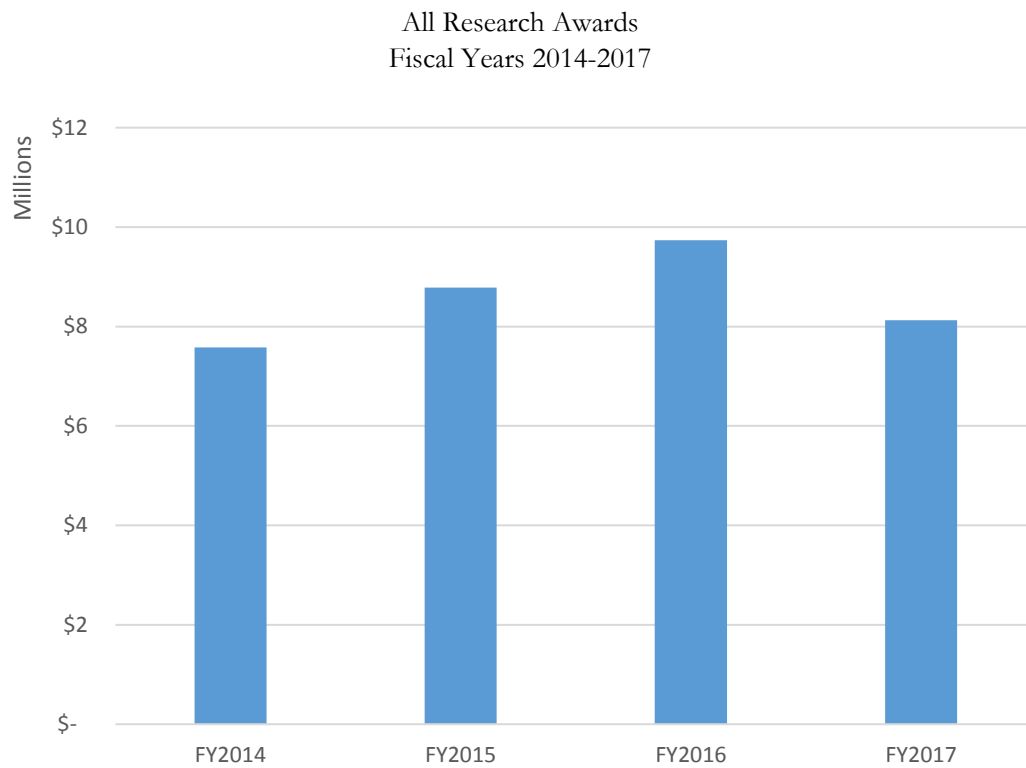
Amount Awarded by Public/Non Profit Sponsors

Agency/Sponsor	FY2014	FY2015	FY2016	FY2017
<i>Academy of Applied Science</i>			\$ 4,000	
<i>American Association of Anatomists</i>				\$ 50,000
<i>American Cancer Society</i>				\$ 20,000
<i>American Chemical Society</i>			\$ 55,000	
<i>American Educational Research Association</i>	\$ 4,434			
<i>American Heart Association</i>		\$ 235,000	\$ 4,000	\$ 305,031
<i>American Medical Association Foundation</i>	\$ 2,499			
<i>American Physical Therapy Association</i>	\$ 6,020			
<i>American Psychological Association</i>				\$ 1,000
<i>Arnold P. Gold Foundation</i>	\$ 10,000		\$ 4,000	\$ 2,000
<i>Automation Alley</i>	\$ 330,000			
<i>Beaumont Research Institute</i>				\$ 10,143
<i>Blue Cross Blue Shield of Michigan</i>				\$ 64,000
<i>Blue Cross Blue Shield of Michigan Foundation</i>	\$ 72,921			
<i>Brooksie Way</i>		\$ 1,800		
<i>Chicago Association for Research and Education in Science</i>				\$ 8,518
<i>Community Foundation for Southeastern Michigan</i>			\$ 204,000	\$ 149,025
<i>Comprehensive Early Autism Services</i>				\$ 32,760
<i>DMC Foundation</i>			\$ 41,220	
<i>Foundation for Food and Agriculture Research</i>				\$ 421,236
<i>George Washington University</i>	\$ 6,250			
<i>HAVEN of Oakland County</i>			\$ 11,600	
<i>Hope Warming Center</i>			\$ 5,014	
<i>Johnson Controls Foundation</i>		\$ 27,110		
<i>Jonas Center for Nursing Excellence</i>		\$ 20,000		\$ 10,000
<i>Lapeer County Community Foundation</i>			\$ 5,000	
<i>Michigan Campus Compact</i>	\$ 3,500	\$ 3,350		
<i>Michigan College Access Network</i>	\$ 60,000			
<i>Michigan Council for Arts and Cultural Affairs</i>	\$ 18,000	\$ 13,750	\$ 12,000	
<i>Michigan State Medical Society Foundation</i>			\$ 1,304	
<i>National Council of Teachers of English</i>				\$ 10,000
<i>National League of Nursing</i>				\$ 10,450
<i>Oakland Schools/ Great Start Collaborative- Oakland</i>	\$ 2,000			
<i>Quinnipiac University</i>			\$ 1,250	
<i>Reading Recovery Council of North America</i>			\$ 18,000	
<i>SIR Foundation</i>	\$ 4,000			

<i>Sociologists for Women in Society</i>		\$ 243,788		
<i>St. Joseph Mercy Oakland</i>		\$ 39,439		
<i>Stevens Institute of Technology</i>			\$ 8,000	
<i>The Kresge Foundation</i>	\$ 30,000	\$ 65,000	\$ 40,000	\$ 100,000
<i>U.S. Soccer Federation Foundation</i>			\$ 8,500	
<i>Grand Total</i>	\$ 549,624	\$ 649,237	\$ 422,888	\$ 1,194,163

Research

Amounts and Number of Research Awards



Purpose of Funding: Research	FY2014	FY2014	FY2016	FY2017
College of Arts & Sciences	\$2,966,106	\$2,050,334	\$4,727,354	\$4,425,969
Eye Research Institute	\$1,817,368	\$1,839,321	\$2,220,027	
School of Business Administration	\$26,500	\$39,439		
School of Engineering and Computer Science	\$2,662,667	\$2,903,907	\$2,528,276	\$2,813,107
School of Education and Human Services	\$4,434		\$18,000	\$625,994
School of Health Sciences	\$13,374	\$1,952,244	\$19,561	\$197,346
School of Medicine	\$16,499		\$11,568	\$54,000
School of Nursing	\$72,921		\$208,199	\$10,450
Total	\$7,579,869	\$8,785,245	\$9,732,985	\$8,126,866

FY 2017 Research Awards by Source

Source	Amount	Amount Percentage	Number of Awards	Number Percentage
Federal	\$6,474,276	79.67%	33	55.93%
State/Local	\$318,901	3.92%	7	11.86%
Corporate	\$451,311	5.55%	6	10.17%
Public/Non Profit	\$882,378	10.86%	13	22.03%
Total	\$8,126,866	79.67%	59	55.93%

All Research Awards by Department

Fiscal Years 2014-2017

<i>College of Arts & Sciences</i>	FY2014	FY2015	FY2016	FY2017
<i>Biological Sciences</i>	\$ 793,097	\$ 1,044,990	\$ 729,490	\$ 2,578,789
<i>Chemistry</i>	\$ 1,216,151	\$ 338,587	\$ 1,130,098	\$ 313,845
<i>Mathematics and Statistics</i>	\$ 21,386	\$ 429,960	\$ 19,847	
<i>Modern Languages and Literatures</i>			\$ 17,500	
<i>Physics</i>	\$ 925,472	\$ 205,797	\$ 2,818,819	\$ 675,829
<i>Psychology</i>			\$ 11,600	\$ 797,506
<i>Sociology and Anthropology</i>	\$ 10,000	\$ 31,000		\$ 50,000
<i>Writing and Rhetoric</i>				\$ 10,000
<i>CAS Total</i>	\$ 2,966,106	\$ 2,050,334	\$ 4,727,354	\$ 4,425,969

ERI

<i>Eye Research Institute</i>	\$ 1,817,368	\$ 1,839,321	\$ 2,220,027	
<i>ERI Total</i>	\$ 1,817,368	\$ 1,839,321	\$ 2,220,027	

School of Business Administration

<i>Decision and Information Sciences</i>		\$ 39,439		
<i>Management and Marketing</i>	\$ 26,500			
<i>SBA Total</i>	\$ 26,500	\$ 39,439		

All Research Awards by Department

School of Engineering & Computer Science

	FY2014	FY2015	FY2016	FY2017
<i>Computer Science and Engineering</i>	\$ 350,934	\$ 359,988	\$ 746,526	\$ 1,183,780
<i>Electrical and Computer Engineering</i>	\$ 743,548	\$ 1,710,980	\$ 117,477	\$ 999,299
<i>Industrial and Systems Engineering</i>		\$ 40,000	\$ 35,000	\$ 55,000
<i>Mechanical Engineering</i>	\$ 1,568,185	\$ 792,939	\$ 1,629,273	\$ 575,028
<i>SECS Total</i>	\$ 2,662,667	\$ 2,903,907	\$ 2,528,276	\$ 2,813,107

School of Education & Human Services

<i>Educational Leadership</i>	\$ 4,434			
<i>Human Development and Child Studies</i>				\$ 625,994
<i>Reading and Language Arts</i>			\$ 18,000	
<i>SEHS Total</i>	\$ 4,434		\$ 18,000	\$ 625,994

School of Health Sciences

<i>Health Sciences</i>	\$ 7,354	\$ 1,952,244	\$ 19,561	\$ 174,046
<i>Physical Therapy</i>	\$ 6,020			\$ 23,300
<i>SHS Total</i>	\$ 13,374	\$ 1,952,244	\$ 19,561	\$ 197,346

School of Medicine

<i>School of Medicine</i>	\$ 16,499		\$ 11,568	\$ 54,000
<i>SOM Total</i>	\$ 16,499		\$ 11,568	\$ 54,000

School of Nursing

<i>Nursing</i>	\$ 72,921		\$ 208,199	\$ 10,450
<i>SON Total</i>	\$ 72,921		\$ 208,199	\$ 10,450

Oakland University Total

<i>Grand Total Research</i>	\$7,579,869	\$8,785,245	\$9,732,985	\$8,126,866
<i>Grand Total Funding</i>	\$9,358,965	\$10,692,239	\$10,878,037	\$11,944,872

Research Awards by Unit, Department, and Principal Investigator

College of Arts & Sciences

Biological Sciences

Battistuzzi, Fabia, Understanding the Evolution of Pathogenicity with a Genome Complexity Approach, National Institutes of Health, \$417,286

Jamieson, Mary, Enhancing Crop Pollination, Pest Control, and Yield in Urban Agriculture, Foundation for Food and Agriculture Research, \$210,618

Tiegs, Scott, Citizen Science and New Zealand Mud Snails: Fly Fisherman as Sentinels and Deterrents of Range Expansion, Michigan Department of Natural Resources

Raffel, Thomas, A Metabolic Theory Approach to the Thermal Biology of Parasitism, National Science Foundation, \$964,898

Westrick, Randal, The Identification of Genetic Regulators of Plasminogen Activator Inhibitor-1, National Institutes of Health, \$433,481

Westrick, Randal, Mouse ENU Mutagenesis Screen for Atherothrombosis Modifier Genes, American Heart Association, \$150,000

Chemistry

Colin Wu, A DNA Repair Perspective to Treat Cardiovascular Disease, American Heart Association, \$153,031

Martic, Sanela, Eye Lens Proteins and Cataracts, Michigan Space Grant Consortium, \$2,500

Szlag, David, Practical Early Detection of Harmful Algal Blooms and Toxins Using Emerging Technologies, Michigan Department of Environmental Quality, \$158,314

Physics

Slavin, Andrei, Collaborative Research: Novel Terahertz Generators Based on Magnetic Materials, National Science Foundation, \$210,829

Slavin, Andrei, Design of Conformal Ground Vehicle Antenna Based on a Magnetic Metamaterial, TACOM / U.S. Army, \$30,000

Slavin, Andrei, EFRI NewLAW: Non-Reciprocal Spin Waves in Chiral Magnetic Systems, University of California/NSF, \$430,000

Wang, Yuejian, Radial X-Ray Diffraction: A Robust Method to Characterize the Strong Aerospace Materials, Michigan Space Grant Consortium, \$5,000

Research Awards by Unit, Department, and Principal Investigator

Psychology

Escobar, Martha, Collaborative Research: Making to Advance Knowledge, Excellence, and Recognition in STEM (MAKERS), National Science Foundation, \$180,135

Escobar, Martha, Strategies: Building Unique Inventions to Launch Discoveries, Engagement and Reasoning in STEM, National Science Foundation, \$190,120

Kozak, Andrea, Examination of Habitual Sleep Trajectories across the First Two Years of College: Relation to Weight Gain, National Institutes of Health, \$426,251

Vonk, Jennifer, Evolution and Cognition of Behavioral Flexibility in Carnivores, American Psychological Association, \$1,000

Sociology and Anthropology

Kaiser, Angela, Looking and Listening for Multiple Literacies and Transfer through Video in the Writing Classroom, National Council of Teachers of English, \$10,000

School of Engineering and Computer Science

Computer Science and Engineering

Fredericks, Erik, A Multi-Agent Approach for Minimizing Security and Power Concerns in Cyber-Physical Systems, Michigan Space Grant Consortium, \$5,000

Fredericks, Erik, CRII:CPS: Minimizing the Oracle Problem for Self-Adaptive Cyber-Physical Systems, National Science Foundation, \$163,637

Fu, Huirong, Collaborative: Cybersecurity Capacity Building at Oakland University and Indiana University Purdue, National Science Foundation, \$156,694

Fu, Huirong, Inspiring the Next Generation of Cyber Stars, National Security Agency, \$100,000

Liu, Anyi, Cyber Threat Intelligence Sharing and Correlation against Advanced Cyber Intrusions, Michigan Space Grant Consortium, \$5,000

Liu, Anyi, Collaborative Research: Building Cybersecurity Capacity in Pervasive Computing, National Science Foundation, \$143,306

Qu, Guangzhi, SOW: E2RAS: An Internet Based Database System for ERAS Patient Checklist, Beaumont Research Institute, \$10,143

Yan, Yonghong, CAREER: Programming the Existing and Emerging Memory Systems for Extreme-Scale Performance, National Science Foundation, \$600,000

Research Awards by Unit, Department, and Principal Investigator

Electrical and Computer Engineering

Cheok, Ka C, Development of a GT-SUTTE-to-MATLAB Interface for HIL Model Development, Fiat Chrysler Automobiles, \$198,432

Qu, Hongwei, MRI: Acquisition of a Transmission Electron Microscope for Multidisciplinary Research on Materials, National Science Foundation, \$800,867

Industrial and Systems Engineering

Pandey, Vijitashwa, Guiding Point-of-Alignment Repairs to Reduce Warranty Costs Predicted by Prob. Decision Model, Fiat Chrysler Automobiles, \$50,000

Sczygielski, Megan Conrad, Design and Validation of a Custom Force Fixture for Modeling Hand Strength, Michigan Space Grant Consortium, \$5,000

Mechanical Engineering

Barber, Gary, Durability Testing of RTV Gasket Material, Fiat Chrysler Automobiles, \$47,000

Golovashchenko, Sergey, Enhancing Sheared Edge Stretchability of AHSS/UHSS through Integrated Manufacturing Process, Pacific Northwest National Laboratory, \$82,999

Golovashchenko, Sergey, U-Bend Testing for Phase 3 of USCAR Al Die Wear Project-DOE, United States Council for Automotive Research, LLC, \$80,086

Guessous, Laila, Oakland University MSGC Pathway to External Grants, Michigan Space Grant Consortium, \$5,000

Kobus, Krzysztof, 2017 Summer High School Research, United States Army REAP, \$4,000

Kobus, Krzysztof, Earth System Science STEM Camps, Michigan Space Grant Consortium, \$20,000

Mourelatos, Zissimos, Deterministic and Reliability-Based Topology Optimization Using Adjoint Formulation and Saddlepoint, BetaCae Systems, \$63,900

Nassar, Sayed, Defect Propagation in Bonded Glass Panels Due to Localized Cyclic Heat, National Center for Manufacturing Sciences, \$105,107

Sangeorzan, Brian, Powertrain PREP Programs, Fiat Chrysler Automobiles, \$17,429

Wang, Xia, Thermal Osmosis Water Flow Model in PEM Fuel Cells, Michigan Space Grant Consortium, \$5,000

Wu, Zhijun, Characterization of Fastener Torque-Tension Relationship with Different Coatings, PPG Industries, Inc., \$74,550

Research Awards by Unit, Department, and Principal Investigator

Mechanical Engineering, continued

Zhao, Peng, Development and Validation of KIVA-hpFE for Spray and Engine Processes, Los Alamos National Laboratory

School of Education and Human Services

Human Development and Child Studies

Korneder, Jessica, University Autism Spectrum Disorders Program, State of Michigan Department of Health and Human Services, \$65,000

Wakabayashi, Tomoko, Supporting Preschool and Kindergarten Students' Self-Regulation Through HighScope Curriculum Enhancements: Plan-Do-Review and Conflict Resolution, Department of Education/HighScope Educational Research Foundation, \$560,994

School of Health Sciences

Human Development and Child Studies

Cheezum, Rebecca, Project AWARE Focus Groups, Oakland Schools, \$6,800

Papadimitriou, Christina, Peer Health Navigation for Medicaid Beneficiaries with Physical Disabilities: A CBPR Intervention, NIDILRR - Rehabilitation Research and Training Centers (RRTCs) Program, \$55,428

Papadimitriou, Christina, Understanding Caregiver Language Regarding Change in Disorders of Consciousness Qualitative Study, Veterans Affairs, \$6,813

Papadimitriou, Christina, Workshop in Qualitative Methods in Spinal Cord Injury, Chicago Association for Research and Education in Science (CARES), \$8,518

Rajae, Mozhgon, Cumulative Stressors for Michigan Public School Teachers, University of Michigan, \$17,000

Stevenson, Laurel, Health and Wellness 4x4 Plan Evaluation, Oakland County Health Division, \$5,487

Physical Therapy

Arena, Sara, Prevention Focused Home-Based Physical Therapy Utilizing Community Partnership Referral, Michigan Department of Health and Human Services, \$23,300

Doherty, Deborah, Interprofessional Management of Prescription Opioid Abuse, Grand Valley State University, \$10,000

Research Awards by Unit, Department, and Principal Investigator

Physical Therapy, continued

Dallo, Florence, Racial and Ethnic Disparities in the Identification of and Treatment for Depression among Arab, Asian, Black, Hispanic and White Patients, Blue Cross Blue Shield of Michigan, \$64,000

School of Medicine

Ragheb, Samia, Immunohistochemical Analysis of Potential Biomarkers of Plaque Instability in Carotid Atherosclerosis, American Heart Association, \$2,000

Thompson, Brent, "I Am Anatomy", Raising Awareness and Transforming Perceptions by Promoting Professional Diversity, American Association of Anatomists, \$50,000

Wasserman, Jason, Gold Humanism Honor Society - New Chapter Grant, Arnold P. Gold Foundation, \$2,000

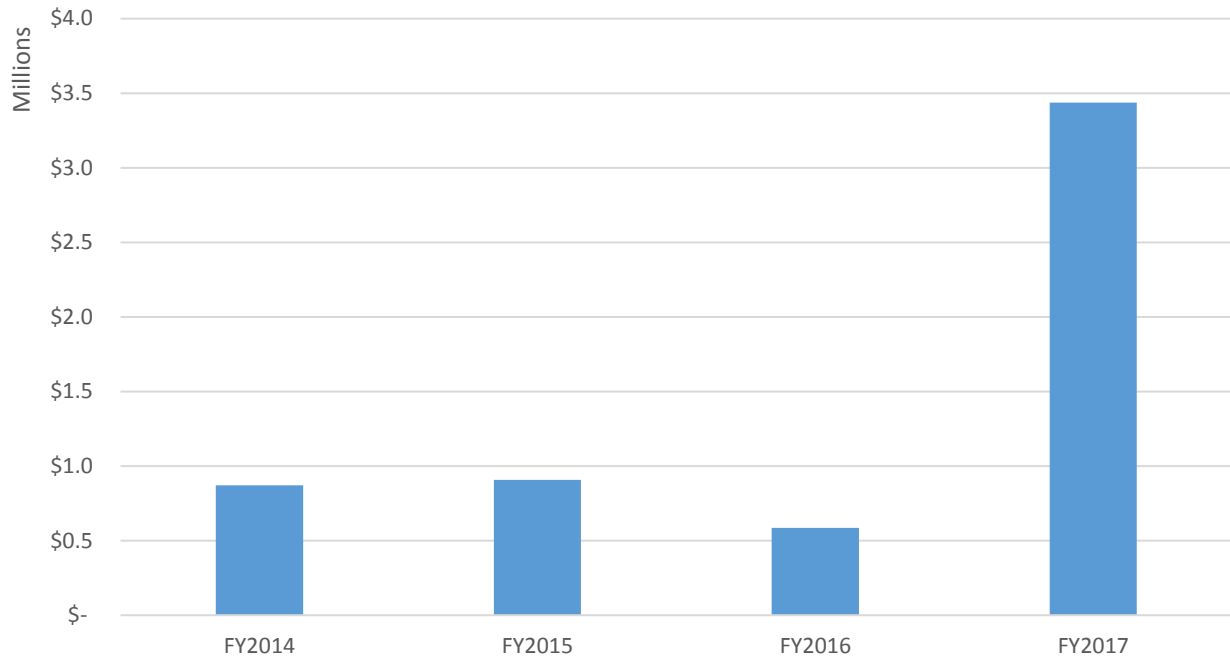
School of Nursing

Didion, Judy, Measuring the Effect of QSEN Curriculum Change in Newly Licensed Registered Nurses: Tool Development, National League of Nursing, \$10,450

Instructional Programs

Instructional Program Awards

Fiscal Years 2014-2017



Academic Unit Comparison

Academic Unit	FY2014	FY2014	FY2016	FY2017
College of Arts & Sciences	\$ 66,250	\$ 85,000		\$ 15,000
Other	\$ 272,186	\$ 262,339	\$ 139,266	\$ 3,413,237
School of Education and Human Services			\$ 8,000	
School of Medicine	\$ 502,000	\$ 502,000	\$ 380,000	
School of Nursing		\$ 3,350		
Total	\$871,696	\$907,104	\$585,612	\$3,438,237

FY 2017 Instructional Awards by Source

Source	Amount	Amount Percentage	Number of Awards	Number Percentage
Federal	\$3,286,873	95.60%	4	57.14%
State/Local	\$91,364	1.75%	2	28.57%
Public/Non Profit	\$60,000	2.66%	1	14.29%
Total	\$3,438,237	100%	7	100%

Instruction by Department

	FY2014	FY2015	FY2016	FY2017	Grand Total
CAS	\$ 66,250	\$ 85,000		\$ 15,000	\$ 166,250
Art and Art History		\$ 10,000			\$ 10,000
Meadow Brook Hall		\$ 25,000			\$ 25,000
Sociology and Anthropology		\$ 50,000			\$ 50,000
Writing and Rhetoric	\$ 66,250			\$ 15,000	\$ 81,250
Other	\$ 272,186	\$ 262,339	\$ 139,266	\$ 3,413,237	\$ 4,087,028
Center for Multicultural Initiatives	\$ 91,364	\$ 91,364	\$ 91,364	\$ 91,364	\$ 274,092
Office of the Senior Associate Provost	\$ 33,500	\$ 30,000	\$ 40,000		\$ 100,000
Police			\$ 7,902		\$ 7,902
Pre-College Programs	\$ 147,322	\$ 140,975		\$ 196,023	\$ 484,320
Student Affairs				\$ 50,000	\$ 50,000
Upward Bound				\$ 3,075,850	\$ 3,075,850
SECS			\$ 8,000		\$ 8,000
Computer Science and Engineering			\$ 8,000		\$ 8,000
SEHS	\$ 502,000	\$ 502,000	\$ 380,000		\$ 1,384,000
Human Development and Child Study	\$ 2,000	\$ 502,000	\$ 380,000		\$ 884,000
OUCARES	\$ 500,000				\$ 500,000
SOM		\$ 3,350			\$ 3,350
School of Medicine		\$ 3,350			\$ 3,350
SON	\$ 31,260	\$ 54,415	\$ 58,346	\$ 10,000	\$ 154,021
School of Nursing	\$ 31,260	\$ 54,415	\$ 58,346	\$ 10,000	\$ 154,021
Grand Total	\$ 871,696	\$ 907,104	\$ 585,612	\$ 3,438,237	\$ 5,802,649

Instructional Awards by Unit, Department, and Principal Investigator

College of Arts & Sciences

Writing and Rhetoric

Kitchens, Marshall, 2017-2018 SEED Invitational Leadership Institute Grant, National Writing Project, \$15,000

School of Nursing

Spencer, Kathleen, Jonas Scholarship 2016-2018, Jonas Center, \$10,000

Other

Center for Multicultural Initiatives

Brown-El, Omar, C.O.R.E. Program FY17, State of Michigan, \$91,364

Pre-College Programs

McCloud, Reginald, Gaining Early Awareness and Readiness for Undergraduate Programs (GEARUP), Michigan Department of Labor & Economic Growth, \$90,429

McCloud, Reginald, Gaining Early Awareness and Readiness for Undergraduate Programs (GEARUP), Michigan Department of Labor & Economic Growth, \$105,594

Student Affairs

Baldwin, Diane, Oakland Pontiac Partnership College Readiness Programs, Community Foundation of SE Michigan, \$50,000

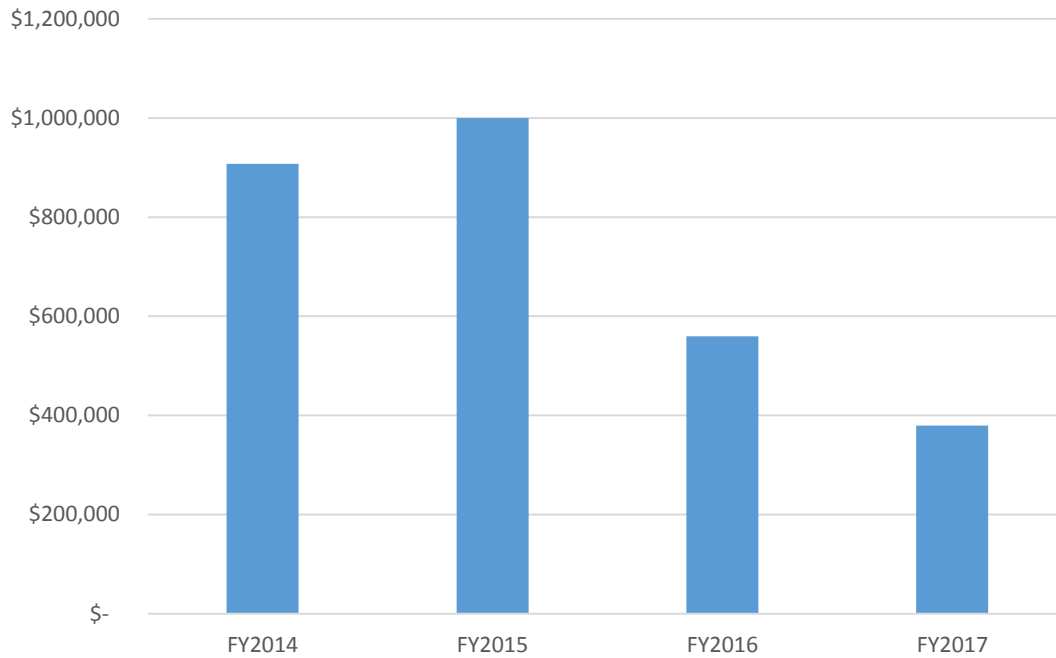
Upward Bound

Graham, Geraldine, Project Upward Bound College Prep Academy, U.S. Department of Education, \$3,075,850

Other Sponsored Activities

Other Sponsored Activities Awards

Fiscal Year 2014-2017



Academic Unit	FY2014	FY2014	FY2016	FY2017
College of Arts & Sciences	\$18,000	\$257,538	\$12,000	\$50,760
School of Health Sciences			\$8,500	
School of Medicine				\$9,984
Other	\$889,400	\$742,352	\$538,940	\$319,025
Total	\$907,400	\$999,890	\$559,440	\$379,769

Academic Unit	FY2014	FY2014	FY2016	FY2017
Federal	\$9,984	2.63%	1	7.69%
State/Local	\$251,785	66.30%	5	38.46%
Public/Non Profit	\$118,000	31.07%	7	53.85%
Total	\$379,769	100%	13	100%

Other Sponsored Activities by Department

	FY2014	FY2015	FY2016	FY2017	Grand Total
CAS	\$ 18,000	\$ 257,538	\$ 12,000	\$ 50,760	\$ 338,298
Art and Art History		\$ 13,750	\$ 12,000	\$ 18,000	\$ 43,750
Oakland University Art Gallery	\$ 18,000				\$ 18,000
Psychology				\$ 32,760	\$ 32,760
Sociology and Anthropology		\$ 243,788			\$ 243,788
Other	\$ 889,400	\$ 742,352	\$ 538,940	\$ 319,025	\$ 2,489,717
Athletics Administration		\$ 1,800			\$ 1,800
Campus Recreation				\$ 20,000	\$ 20,000
Center for Student Activities			\$ 10,550		\$ 10,550
Facilities Management	\$ 20,000				\$ 20,000
Macomb-OU Incubator	\$ 539,400	\$ 391,519	\$ 281,590	\$ 55,000	\$ 1,267,509
Office of Research Administration		\$ 25,473	\$ 25,000	\$ 25,000	\$ 75,473
Office of the Senior Associate Provost				\$ 100,000	\$ 100,000
OU INC	\$ 330,000	\$ 323,560	\$ 221,800	\$ 119,025	\$ 994,385
SHS			\$ 8,500		\$ 8,500
School of Health Sciences			\$ 8,500		\$ 8,500
SOM				\$ 9,984	\$ 9,984
School of Medicine				\$ 9,984	\$ 9,984

Other Sponsored Activities Awards by Unit, Department, and Principal Investigator

College of Arts & Sciences

Art and Art History

Goody, Stephen, FY17 Project Support-Michigan Council for Arts and Cultural Affairs, Michigan Council for Arts and Cultural Affairs, \$18,000

Psychology

Pickett, Scott, Service Delivery Partnership, Comprehensive Early Autism Services, \$16,380

Pickett, Scott, Service Delivery Partnership, Comprehensive Early Autism Services, \$16,380

School of Medicine

Mi, Misa, Health Information Outreach to Homeless Patients at the HOPE Recuperative Care Center, University of Iowa, \$9,984

Other

Academic Affairs

Awbrey, Susan, Great Lakes Student Success Conference, The Kresge Foundation, \$100,000

Campus Recreation

Wallace, Erica, Clean Air for the Bear, American Cancer Society, \$20,000

Macomb-OU Incubator

Herriman, Lawrence, Business Accelerator Fund-Client Engagement, Zoesen, LLC, Grand Valley State University/MEDC, \$9,700

Herriman, Lawrence, Business Accelerator Fund-Client Engagement, ONU One, Grand Valley State University/MEDC, \$21,250

Herriman, Lawrence, Business Accelerator Fund-Client Engagement, Templar, Grand Valley State University/MEDC, \$17,050

Herriman, Lawrence, Business Accelerator Fund-Client Engagement, Alerje, Grand Valley State University/MEDC, \$7,000

Other Sponsored Activities Awards by Unit, Department, and Principal Investigator

OU INC

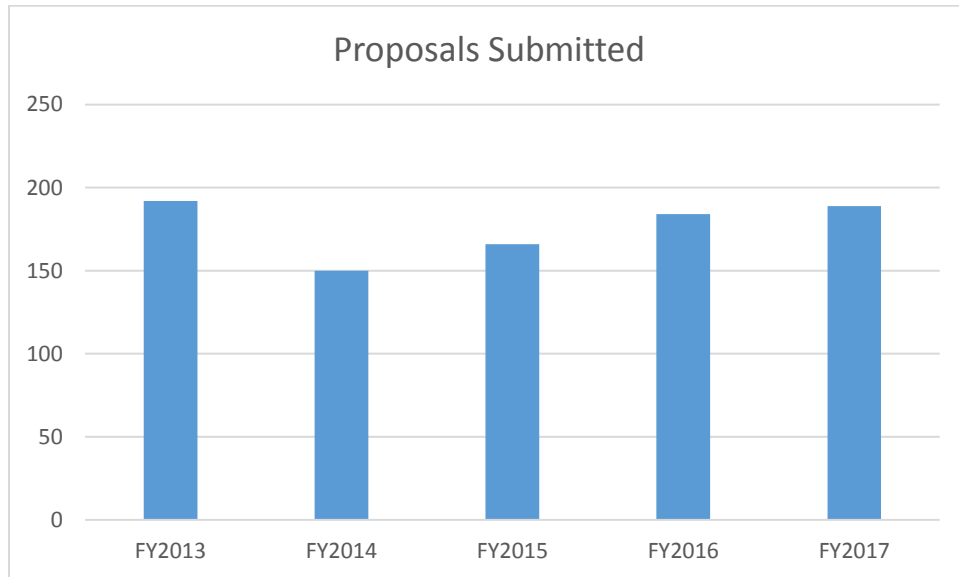
Butler, Amy, NEI OU INC Growth Stimulus Proposal, Community Foundation for Southeast Michigan, \$99,025

Butler, Amy, Business Accelerator Fund Client Engagement - 300 Medical, Grand Valley State University/MEDC, \$20,000

The Research Office

Delavan, Alex, T3N 3.0, University of Michigan/MEDC, \$25,000

Submitted Proposals



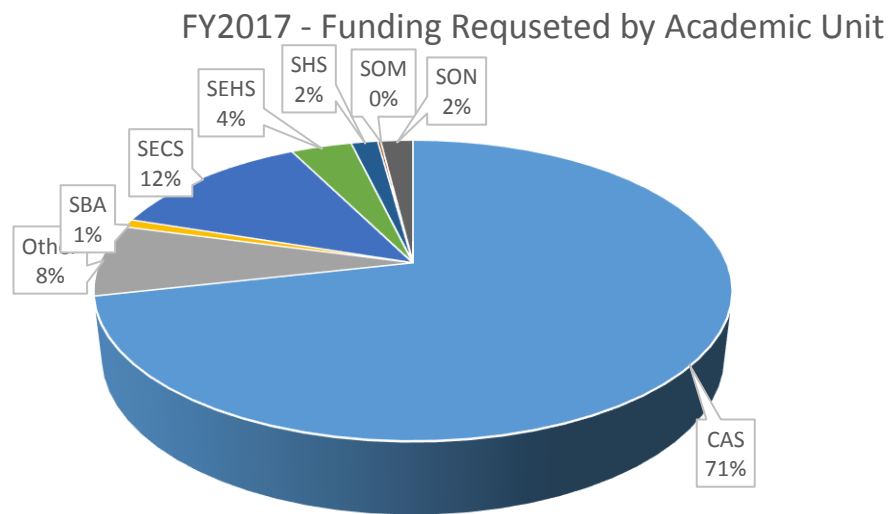
Number of Proposals Submitted

Academic Unit	FY2013	FY2014	FY2015	FY2016	FY2017	Grand Total
CAS	91	55	77	86	98	413
ERI	8	5	4	5		22
SBA	1	1	1	3	2	8
SECS	56	49	52	50	45	253
SEHS	10	7	3	6	5	31
SHS	2	3	7	11	14	33
SOM	3	6	6	4	6	25
SON	5	8	7	4	5	29
Other	16	16	9	15	14	67
Grand Total	192	150	166	184	189	881

Amount Requested by Academic Unit

Academic Unit	FY2013	FY2014	FY2015	FY2016	FY2017	Grand Total
CAS	\$ 38,104,835	\$23,528,406	\$32,622,644	\$27,615,238	\$46,189,248	\$ 167,034,371
ERI	\$ 8,123,844	\$ 4,856,470	\$ 2,458,410	\$ 4,196,703		\$ 19,635,427
SBA	\$ 131,882	\$ 26,500	\$ 39,439	\$ 337,614	\$ 566,257	\$ 1,101,692
SECS	\$ 17,564,513	\$ 7,886,795	\$11,545,774	\$ 9,061,603	\$ 8,088,067	\$ 54,564,633
SEHS	\$ 1,536,607	\$ 1,751,995	\$ 901,786	\$ 7,100,114	\$ 2,379,048	\$ 13,669,550
SHS	\$ 12,354	\$ 8,090	\$ 2,627,313	\$ 872,261	\$ 1,043,560	\$ 4,563,878
SOM	\$ 22,000	\$ 811,245	\$ 584,466	\$ 483,014	\$ 116,632	\$ 2,017,357
SON	\$ 4,953,490	\$ 3,757,352	\$ 1,645,936	\$ 1,966,846	\$ 1,259,052	\$ 13,582,676
Other	\$ 3,274,960	\$ 5,962,933	\$ 829,880	\$ 1,415,197	\$ 4,984,757	\$ 16,444,857
Grand Total	\$ 73,698,485	\$48,589,786	\$52,330,648	\$52,951,020	\$64,626,621	\$ 292,196,561

Proposals by Academic Unit



Amount of Proposal Funding Requested by Academic Unit

College of Arts & Sciences

	FY2016	FY2017
<i>Art & Art History</i>	\$ 50,000	\$ 20,000
<i>Biological Sciences</i>	\$ 13,126,571	\$ 14,187,434
<i>Chemistry</i>	\$ 8,090,323	\$ 19,322,991
<i>Mathematics and Statistics</i>	\$ 287,416	\$ 315,213
<i>Music, Theatre and Dance</i>		\$ 17,150
<i>Physics</i>	\$ 3,978,968	\$ 9,563,836
<i>Psychology</i>	\$ 1,819,594	\$ 2,709,202
<i>Sociology & Anthropology</i>	\$ 252,366	\$ 28,422
<i>Writing & Rhetoric</i>	\$ 10,000	\$ 25,000
<i>CAS Total</i>	\$ 27,615,238	\$ 46,189,248

Eye Research Institute

<i>Eye Research Institute</i>	\$ 4,196,703	
<i>ERI Total</i>	\$ 4,196,703	

School of Business Administration

<i>Decision and Information Science</i>		\$ 549,507
<i>Economics</i>	\$ 337,614	
<i>Management & Marketing</i>		\$ 16,750
<i>SBA Total</i>	\$ 337,614	\$ 566,257

School of Engineering and Computer Science

<i>Computer Science & Engineering</i>	\$ 4,285,645	\$ 2,160,950
<i>Electrical & Computer Engineering</i>	\$ 2,945,667	\$ 2,316,950
<i>Industrial & Systems Engineering</i>	\$ 541,452	\$ 706,838
<i>Mechanical Engineering</i>	\$ 1,288,839	\$ 2,903,329
<i>SECS Total</i>	\$ 9,061,603	\$ 8,088,067

School of Education and Human Services

<i>Human Development and Child Studies</i>	\$ 2,883,521	\$ 2,088,040
<i>Organizational Leadership</i>	\$ 3,717,069	\$ 177,008
<i>Reading and Language Arts</i>	\$ 499,524	\$ 114,000
<i>SEHS Total</i>	\$ 7,100,114	\$ 2,379,048

Amount of Proposal Funding Requested by Academic Unit

School of Health Sciences

FY2016

FY2017

<i>Health Science</i>	\$ 862,561	\$ 1,010,260
<i>PT-Physical Therapy</i>	\$ 10,000	\$ 33,300
<i>SHS Total</i>	\$ 872,561	\$ 1,043,560

School of Medicine

<i>School of Medicine</i>	\$ 483,014	\$ 116,632
<i>SOM Total</i>	\$ 483,014	\$ 116,632

School of Nursing

<i>Nursing</i>	\$ 1,966,846	\$ 1,259,052
<i>SON Total</i>	\$ 1,966,846	\$ 1,259,052

Other

<i>Academic Affairs</i>	\$ 40,000	\$ 100,000
<i>Campus Recreation</i>	\$ 20,000	
<i>Center for Multicultural Initiatives</i>	\$ 131,953	\$ 91,364
<i>Center for Student Activities</i>	\$ 11,300	
<i>Graduate Study</i>		\$ 200,000
<i>Library</i>	\$ 5,903	\$ 6,410
<i>Macomb-OU Incubator</i>	\$ 986,294	\$ 269,205
<i>Office of Research Administration</i>	\$ 25,000	\$ 997,965
<i>OU INC</i>		\$ 99,025
<i>Police Department</i>	\$ 9,902	\$ 7,902
<i>Pre-College Programs</i>	\$ 86,975	\$ 87,036
<i>Student Affairs</i>		\$ 50,000
<i>Upward Bound</i>		\$ 3,075,850
<i>Other Total</i>	\$ 1,317,327	\$ 4,984,757

Number of Proposal Funding Requested by Academic Unit

<i>College of Arts & Sciences</i>	FY2016	FY2017
<i>Art & Art History</i>	2	1
<i>Biological Sciences</i>	28	25
<i>Chemistry</i>	24	37
<i>Mathematics and Statistics</i>	6	1
<i>Music, Theatre and Dance</i>		1
<i>Physics</i>	15	20
<i>Psychology</i>	6	10
<i>Sociology & Anthropology</i>	4	1
<i>Writing & Rhetoric</i>	1	2
<i>CAS Total</i>	86	98

<i>Eye Research Institute</i>		
<i>Eye Research Institute</i>	5	
<i>ERI Total</i>	5	

<i>School of Business Administration</i>		
<i>Decision and Information Science</i>		1
<i>Economics</i>	3	
<i>Management & Marketing</i>		1
<i>SBA Total</i>	3	2

<i>School of Engineering and Computer Science</i>		
<i>Computer Science & Engineering</i>	22	12
<i>Electrical & Computer Engineering</i>	14	7
<i>Industrial & Systems Engineering</i>	2	5
<i>Mechanical Engineering</i>	12	21
<i>SECS Total</i>	50	45

<i>School of Health Science</i>		
<i>Health Science</i>	10	12
<i>PT-Physical Therapy</i>	1	2
<i>SHS Total</i>	11	14

Number of Proposal Funding Requested by Academic Unit

School of Medicine

FY2016

FY2017

<i>School of Medicine</i>	4	6
<i>SOM Total</i>	4	6

School of Nursing

<i>Nursing</i>	4	5
<i>SON Total</i>	4	5

Other

<i>Academic Affairs</i>	1	1
<i>Campus Recreation</i>	1	
<i>Center for Multicultural Initiatives</i>	1	1
<i>Center for Student Activities</i>	1	
<i>Graduate Study</i>		2
<i>Library</i>	1	1
<i>Macomb-OU Incubator</i>	6	1
<i>Office of Research Administration</i>	1	3
<i>OU INC</i>		1
<i>Police Department</i>	2	1
<i>Pre-College Programs</i>	1	1
<i>Student Affairs</i>		1
<i>Upward Bound</i>		1
<i>Other Total</i>	15	14

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