CNAS 2014 Annual Report
Submitted in 2015
Tammy Jahnke, Dean

The CNAS Strategic Plan and Goals document is updated each year but is driven by our vision, mission and shared values.

Vision - The College of Natural and Applied Sciences at Missouri State University seeks to be recognized regionally and nationally for teaching, scholarly productivity, professional and community service, and our outstanding students and alumni.

Mission - The College of Natural and Applied Sciences develops educated persons who, upon graduation, are prepared to make sound decisions relative to the natural and applied sciences and society and to be productive and successful in their careers – our commitment to public affairs. We are committed to excellence in teaching, research and scholarly activities, and community and professional service.

Shared Values - We value

- our students and their success;
- hands-on learning (applied and practical);
- academic rigor and critical thinking;
- faculty, staff and administrators;
- excellence in teaching, research and service;
- ethical behavior;
- our research endeavors;
- our community, alumni and friends; and
- continuous improvement.

The annual report is structured around a set of college goals which are tied to the university long range plan and annual goals. It is posted in full on our website - http://science.missouristate.edu/College-Policies.htm. All college annual reports are posted on the college website - http://science.missouristate.edu/College-Annual-Reports.htm. All department annual reports which include assessment reports are posted on a password protected website – Go to http://science.missouristate.edu/restricted/assessment.htm and click on assessment and reports.

Goals 2013-2014

- Enrollment
- Funding
- Accreditation
- Diversity and Inclusion
- Student Success
- Facilities and Sustainability
- Raising the Profile

CNAS - STEM Graduates

Fiscal Year		FY2010	FY2011	FY2012	FY2013	FY2014
Department	Student Level	Headcount Value	Headcount Value	Headcount Value	Headcount Value	Headcount Value
Biology		140	130	111	131	132
	GR	27	11	17	13	20
	UG	113	119	94	118	112
Chemistry		21	28	39	17	36
	GR	2	7	9	2	7
	UG	19	21	30	15	29
Computer Science		30	17	25	18	25
	GR	2	1	4	1	4
	UG	28	16	21	17	21
Geography, Geology, & Planning		48	70	97	83	79
	GR	7	18	15	13	19
	UG	41	52	82	70	60
Hospitality & Restaurant Admin		87	69	70	72	72
	UG	87	69	70	72	72
Mathematics		33	34	38	34	39
	GR	6	8	8	7	8
	UG	27	26	30	27	31
Natural & App Sci/Engineering				15	33	31
	UG	0	0	15	33	31
Physics, Astronomy, & Materials		17	8	13	15	20
Science	GR	11	3	5	4	11
	UG	6	5	8	11	9

Number Tenured/tenure-track Faculty BY CNAS DEPARTMENT

2015	**Tenured/tenure-track Faculty**	**Instructors/Lab supervisors**
BIO	16 FTE 15 FT + Head +AD	2/5
CHM	15 FTE 14 FT + Head + AD	2/
CSC	5 FTE 5 FT + Head	1/
GGP	19.5 FTE 19 FT + Head	3/
HRA	4 FTE 4 + Head	2/1.5
MTH	23 FTE 22 + Head + AD	12/
PAMS	11 FTE 11 + Head	1/1
EGR	5.5 FTE (2 FTE MSU, 3.5 S&T) 5.5 + Director (S&T)	/1 (MSU)

CNAS - # of Majors

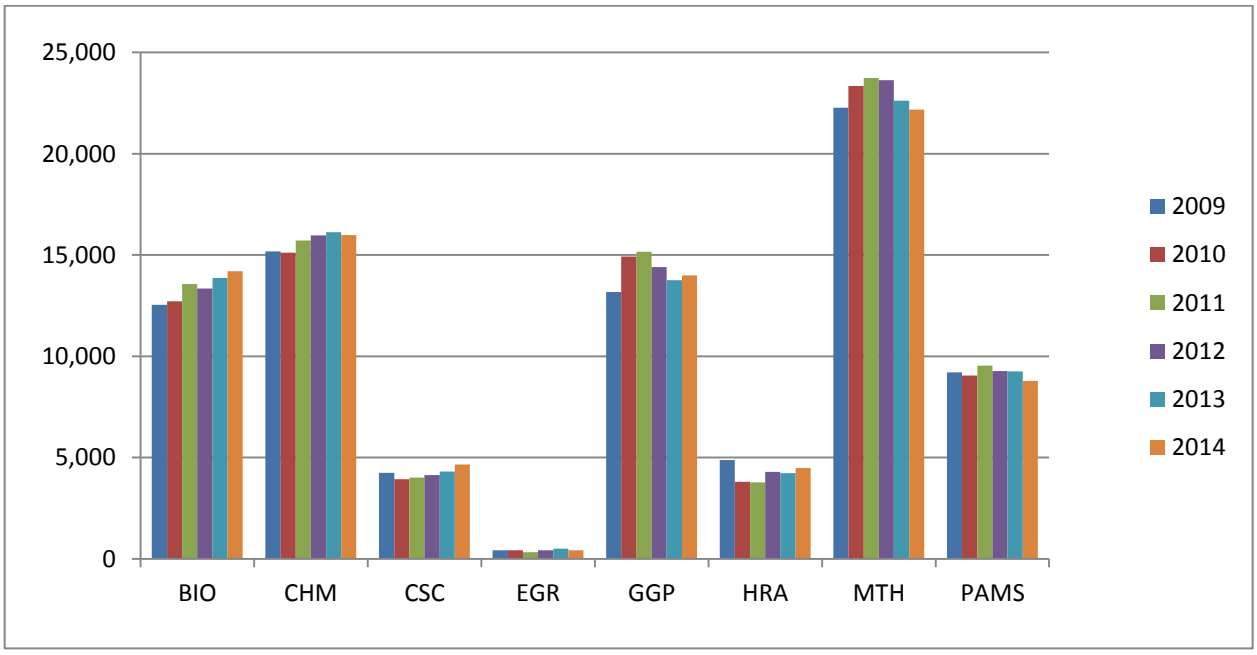
		Fall 2011	Fall 2012	Fall 2013	Fall 2014
Department	Student Level	Headcount Value	Headcount Value	Headcount Value	Headcount Value
Biology		662	724	727	720
	GR	60	48	45	51
	UG	602	676	682	669
Chemistry		224	213	256	232
	GR	25	17	23	22
	UG	199	196	233	210
Computer Science		179	207	256	298
	GR	7	6	3	3
	UG	172	201	253	295
Geography, Geology, & Planning		274	258	249	243
	GR	42	47	40	25
	UG	232	211	209	218
Hospitality & Restaurant Admin	UG	253	264	300	281
Mathematics		196	199	200	206
	GR	26	25	34	37
	UG	170	174	166	169
Natural & App Sci/Engineering	UG	163	168	190	228
Physics, Astronomy, & Materials Science		104	102	89	92
	GR	13	19	20	17
	UG	91	83	69	75

**All UG majors listed within “Natural & App Sci/Engineering” are the cooperative engineering program students.

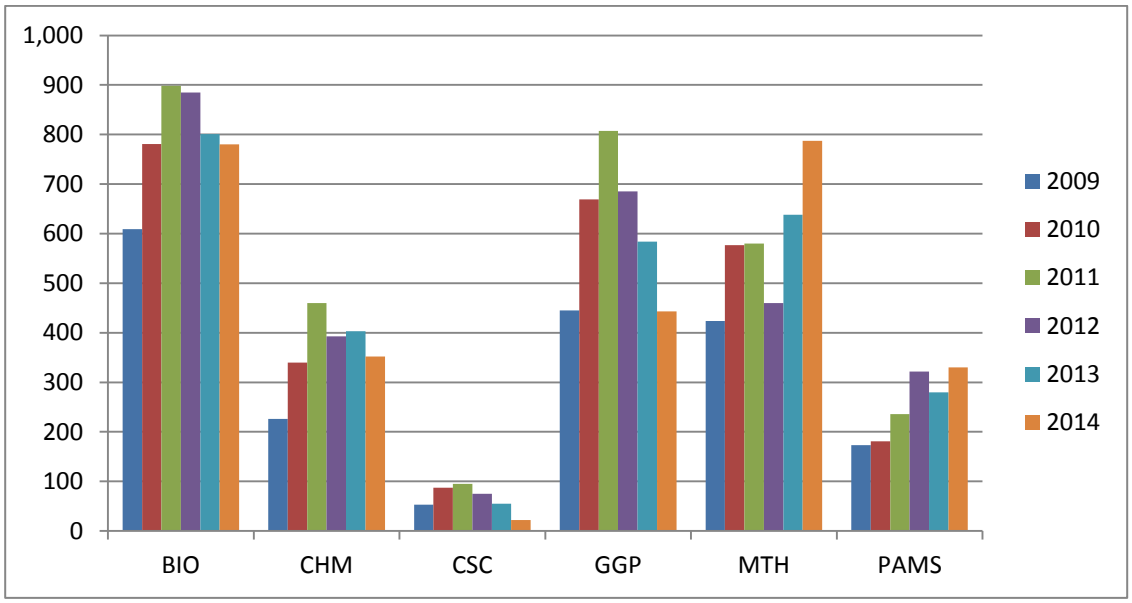
Although number of majors and number of graduates are important, it is also important to note credit hour production. The new general education program is definitely affecting SCH production in CNAS.

Calendar Year		2009	2010	2011	2012	2013	2014
College	Course Group	SCH Value	SCH Value	SCH Value	SCH Value	SCH Value	SCH Value
Agriculture, School of		0	0	5,071	10,269	11,712	12,991
Arts & Letters		92,467	94,174	94,767	94,568	95,427	94,977
Business		100,625	105,469	102,843	99,138	100,350	100,030
Education		36,162	35,903	34,558	34,186	34,350	35,250
Enrollment Entry (Enrllmt Srv)	GEP/IDS/UHC	242	0	0	0	0	0
Health & Human Services		72,841	74,691	78,038	80,602	84,133	86,817
Humanities & Public Affairs		74,009	75,124	77,050	79,140	78,205	79,473
Library Science, Department of		258	241	292	272	253	237
Natural & Applied Sciences		97,158	97,422	92,866	88,306	87,441	87,435
Undergraduate College/Provost	GEP/IDS/UHC	3,450	6,946	7,028	7,041	7,800	8,046
Total by COLUMNS		477,212	489,970	492,513	493,522	499,671	505,256

SCH production for Undergraduate Students by department (CY)



SCH production for Graduate Students by department (CY)



Scholarship Dollars awarded to CNAS students this year!

Department	Scholarships	Total Award Amounts
Biology	12	$ 9,764.00
Chemistry	21	$ 22,800.00
College of Natural and Applied Sciences	16	$ 23,550.00
Computer Science	9	$ 5,000.00
Geology, Geography, and Planning	9	$ 4,700.00
Hospitality and Restaurant Administration	13	$ 5,715.00
Mathematics	26	$ 19,150.00
Physics, Astronomy, and Materials Science	12	$ 9,150.00
Total	**118**	**$ 99,829.00**

** The above spreadsheet does not reflect the scholarships that we give to students for study away trips. Apparently the university is not collecting this information by college.

Student Scholarship Winners – Chemistry and HRA hold annual banquets to recognize scholarship recipients. CNAS held an event for all other scholarship recipients in fall of 2014. The next all-college scholarship reception will be held in October 15, 2015 – Homecoming Week.

Summary of Accomplishments

Enrollment

- ✓ Graduate Programs
  - ☐ Funding for assistantships was increased in CNAS to support growth of graduate programs.
  - ☐ Continue to develop tracks for MNAS and PSM– online, blended, face-to-face – brochure published and will be updated annually.
  - ☐ Continued attention to retention and timely graduation of all current graduate students – This attention to detail has led to the removal of several programs off of the "low completer" list. The emphasis on timely graduation will continue to be emphasized.
- ✓ Undergraduate Programs
  - ☐ CNAS has seen significant growth in biology and computer science which is where faculty hires have been made.
  - ☐ CNAS continues to focus on recruitment at Missouri community colleges. We continue to update transfer guides to OTC, West Plains, Crowder and St. Charles CC.
  - ☐ All departments are monitoring enrollments of general education courses as we transition from the old to the new general education program.
- ✓ Assessment of Student Learning – continue; focus on completing plans for graduate programs. Departments submitted very good annual reports that include assessment data and analysis. Each department has an assessment plan.

Public Affairs

✓ Study Away - Faculty led short term study away trips in 2014-2015

May 2014	Costa Rica BIO	Dan Beckman
May/June 2014	Nicaragua BIO	Jessica Sewald
July 2014	India IDS	Saibal Mitra
July 2014	Brazil BIO	Janice Greene
March 2015	Caribbean Cruise GGP	Linnea Iantria
May 2015	Brazil BIO	Janice Greene
August 2015	San Francisco GGP	Kevin Evans and Dimitri Ioannides

Short Term Study Away – Brazil, Crete, Galapagos Islands, India, Portugal

2009-2010 30 CNAS students participated out of 88 total at university
2010-2011 60 CNAS students participated out of 154 total at university
2011-2012 62 CNAS students participated out of 223 total at university
2012-2013 48 CNAS students participated out of 304 total at university
2013-2014 53 CNAS students participated out of 292 total at university
2014-2015 25 CNAS students participated out of 514 total at university

We take students on a number of domestic trips as well!

- ✓ Ethical Leadership – All departments have ethics statements and the leadership team considers this in all we do.
- ✓ Community Engagement/Public Science –

    - *CNAS hosts STEM competitions – regional science fair, science Olympiad, JETS (TEAMS), Chemistry Olympiad, Pummill Relays (brings students and teachers to campus annually!)*
    - *Summer Camps/Activities – GLADE at Bull Shoals Field Station (16 HS)*
    - *Baker Observatory – public observing nights often have 200 people in attendance*
    - *Bull Shoals Field Station – many groups use the station*
    - *CNAS is partnering with Springfield-Greene County Library on a number of projects –science lectures in fall 2014, reading lists for public lecture series.*
    - *CNAS Public Lecture Series*
    - *CNAS faculty and departments stay connected with the Discovery Center and the Zoo and Department of Conservation and other units that hire our students or supervise service learning or volunteer activities for current students.*
    - *CRPM continues to work with the city, county and area communities to support SMCOG and many funded projects.*

Connections with STEM Teachers

- ✓ While math teachers are here for Pummill Relays they receive professional development.
- ✓ We offer workshops for dual credit teachers in most STEM areas on a regular basis.
- ✓ We stay connected with area STEM teachers through professional organizations and other communications.
- ✓ Missouri State is the state-wide coordinator for Leopold Project and Project WET. We also help with Project Wild and Learning Tree. These are environmental education programs for K-12 teachers.
- ✓ Patrick Sullivan (MTH) has external funding to work with area math teachers – using technology in the classrooms.
- ✓ Jill Black (GGP) has external funding to do professional development for elementary teachers who want to know more science.
- ✓ Elementary Math Specialist Certificate Program is approved. We continue to see enrollment in this program.

Continue to support sustainability

- ✓ Tammy Jahnke and Janice Greene continue to serve of the University Sustainability Advisory Committee.

Diversity Activities – a public affair

- ✓ The CNAS Diversity and Inclusion Committee continues to meet and schedule events. This past year they organized some small group meetings for those with like interests in specific activities. They also organized the third annual college picnic.

- ✓ Biology offered two courses for a group of Chinese students from Qingdao University as part of a biotechnology program. This first occurred in 2013. 2015 is the third year!
- ✓ CNAS faculty attended the state-wide diversity conference held on campus.

Engaged Inquiry

- ✓ Our goal this year was to submit 100-120 external grant proposals in coming year including graduate students and faculty course buy-outs where appropriate. By March of 2014 CNAS and centers submitted over 125 proposals. These proposals were submitted by 49 different CNAS faculty members! Because the grant activity is recorded on a fiscal year basis and this report is for a calendar – the numbers do not always match. In 2014-2015 CNAS faculty brought in $1.7 million in external funding!

Focused funding on nanotechnology

Nanotechnology project –The NSF_REU proposal was not funded in year one and was not resubmitted in 2015. One proposal was funded that included CNAS faculty and CASE personnel. Presentations and publications continue.

The college continues to support OEWRI ($77,033); Baker Observatory ($7,245); Bull Shoals Field Station ($124,281); and CRPM (CNAS supports the center by funding the director and Dr. Wu who have joint appointments in GGP). The college also distributed nearly $10,000 in incentives to faculty for submitting grants requesting in excess of $30,000. These dollars are transferred to departments for faculty to use for travel or research expenses.

The college currently has allocated over $700,000 (one-time dollars) for start-up funds and summer fellowships for newly hired tenure-track faculty. These funds are typically spent within the first two years of a faculty member's time on campus.

Peer Reviewed publications/books/chapters/etc from the past five years. CNAS had 107 peer reviewed journal articles and books/chapters. In addition there were many, many, many presentations by students and faculty in 2014. It is abundantly clear that CNAS faculty are a major contributor to the total number of peer reviewed publications for Missouri State University. This data is from data pulled from Digital Measures on 2/25/15.

Year	2010	2011	2012	2013	2014
	#Contributions	#Contributions	#Contributions	#Contributions	#Contributions
College	Value	Value	Value	Value	Value
Agriculture, School of	8	9	11	4	6
Arts & Letters	85	74	58	98	109
Business	77	79	49	33	49
Education	29	28	28	31	16
Health & Human Services	44	51	42	41	40
Humanities & Public Affairs	80	67	95	64	71
Library Science, Dept of	1	3	2	7	3

Year	2010	2011	2012	2013	2014
	#Contributions	#Contributions	#Contributions	#Contributions	#Contributions
Department	Value	Value	Value	Value	Value
	97	107	74	104	107
BIO	26	23	19	18	33
CHM	21	19	16	19	10
CSC	2	0	0	3	1
EGR	0	3	0	1	0
GGP	16	17	12	23	22
HRA	5	2	2	2	2
MTH	12	14	8	15	5
PAMS	15	29	17	23	24
Total by COLUMNS	97	107	74	104	107

✓ Support and mentor student research (undergraduate and graduate)

2014-2015	**TOTAL # of GA's with assistantship**	**State Funded**	**Grant Funded**
MNAS	5	5	0
Biology	35	30	5
Chemistry	16	16	
Computer Science	0	0	0
Geography, Geology & Planning	16	12	4
Hospitality & Restaurant Administration	0	0	0
Mathematics	14	14	0
Physics, Astronomy & Materials Science	18	14	4
TOTAL AWARDED	104	91	13
Total Awarded in 2013-2014	**97**	**80**	17

An additional six assistantships were added for 2015-2016.

✓ Support and mentor student research/internships (next page). Although we are near capacity there was some growth in areas. I believe we need more STEM internships.

✓ CNAS Undergraduate Research Day – April 24, 2015 – 4 5 undergraduate research posters. This was the sixth annual event!

Dept	UG internship headcount	UG internship SCH	UG research headcount	UG research SCH	Grad internship headcount	Grad internship SCH	Grad research and thesis headcount	Grad research and thesis SCH
BIO Courses	**398/399**	**398/399**	**498/499**	**498/499**	**796**	**796**	**798/799**	**798/799**
BIO 2013	12	30	14	36	0	0	46	162
BIO 2014	11	28	17	36	2	6	73	214
CHM Courses	**397**	**397**	**399/499**	**399/499**	**796**	**796**	**798/799**	**798/799**
CHM 2013	1	2	43	68	4	11	49	97
CHM 2014	1	2	35	48			31	74
CSC Courses	**399**	**399**	**596**	**596**	**796**	**796**	**798/799**	**798/799**
CSC 2013	14	38	12	27	4	12	3	13
CSC 2014	15	39	16	38			2	7
GGP Courses	**GLG399 GRY399 PLN599**	**GLG399 GRY399 PLN599**	**GLG499 GRY 599 PLN596**	**GLG499 GRY599 PLN596**	**GLG796 PLN699**	**GLG796 PLN699**	**GEO780 GLG798 &799 PLN696 GRY799**	**GEO780 GLG798 &799 PLN696 GRY799**
GGP 2013	1 2 10	3 6 29	9 0 1	18 0 2	1 0 0	3 0 0	4 7 0 11	12 24 0 39
GGP 2014	0 3 1	0 9 3	18 0 0	35 0 0			0 2 0 8	0 6 0 24
HRA Courses	**499**	**499**						
HRA 2013	23	138						
HRA 2014	29	174						
MTH Courses			**497**	**497**	**796**	**796**	**798/799**	**798/799**
MTH 2013			42	42	3	9	23	58
MTH 2014			25	25	1	3	30	63
PAMS Courses			**386/486**	**386/486**	**796**	**796**	**MAT/PHY799**	**MAT/PHY799**
PAMS 2013			23	23	0	0	25	78
PAMS 2014			23	23	0	0	23	93

Partners for Progress

- ✓ CNAS continues to work on JVIC collaborations –Kartik Ghosh serves as liaison.
- ✓ Work with Design and Construction and architects and contractors to finish all projects
- ✓ Continue to work with community colleges
- ✓ Continue collaborations with K-12 schools and science/math competitions
- ✓ Continue collaborations with National Park Service and others
- ✓ Each department (one or more faculty, could include students) will visit a minimum of two companies/agencies in the coming year to ensure contacts for internships, coops and jobs for graduates.

Valuing and Supporting People

2013 Promotions

- Promoted to Full Professor
  - Kevin Evans - GGP
- Promoted to Associate Professor with tenure
  - Xiaomin Qiu - GGP
- Promoted to Senior Instructor
  - Brian High - CHM

2014 Promotions

- Promoted to Distinguished Professor
  - Paul Durham – BIO
  - Eric Bosch - CHM
- Promoted to Full Professor
  - Bryan Breyfogle - CHM
- Promoted to Associate Professor with tenure
  - Stephanie Hein – HRA
  - Day Ligon - BIO
  - Matthew Wright - MTH
  - Songfeng Zheng - MTH
- Promoted to Senior Instructor
  - Damon Bassett – GGP
  - Gary Stafford – MTH

2015 Promotions

- Promoted to Distinguished Professor
  - Kevin Mickus – GGP
  - Chris Barnhart - BIO
- Promoted to Full Professor
  - Doug Gouzie – GGP
- Promoted to Senior Instructor
  - Patti Blanton – MTH
  - Michele Bowe – BIO
  - Linnea Iantria - GGP

University Award Winners - 2015

Missouri State University Foundation Awards for Research
Kartik Ghosh, Physics, Astronomy and Materials Science

Missouri State University Foundation Awards for Service
Matthew Pierson, Cooperative Engineering
Jill Black, Geography, Geology and Planning

Graduate College Awards
Outstanding Teaching Assistant – Justin Drane

Outstanding Graduate Mentor – Kyoungtae Kim, Biology

Outstanding Thesis Advisor Award:

Kartik Ghosh, Physics, Astronomy and Materials Science

Erich Steinle, Chemistry

Excellence in Public Affairs Award
Chris Barnhart, Biology

- ✓ CNAS established a new awards process in 2011 for faculty and staff to recognize outstanding work. First awards given in May of 2012 and listed below are the 2015 award winners based on their 2014 performance.

    - **Atwood Research and Teaching Award**
        - Paul Durham, Biology
    - **CNAS Excellence in Teaching Award Winners**
        - Janice Greene, Biology
        - Paul Schweiger, Biology
        - Jill Black, Geography, Geology and Planning
        - Melida Gutierrez, Geography, Geology and Planning
        - Rich Biagioni, Chemistry
    - **CNAS Excellence in Service Award Winners**
        - Bryan Breyfogle, Chemistry
        - Paul Durham, Biology
        - John Heywood, Biology
        - Abbe Ehlers, Hospitality and Restaurant Administration
    - **CNAS Excellence in Research Award Winners**
        - Nikolay Gerasimchuk, Chemistry
        - Kevin Mickus; Geography, Geology and Planning
        - Eric Bosch, Chemistry
    - **Faculty/Staff Excellence Awards—Student Nominated, Student Selected**
        - Debbie Corcoran, Geography, Geology and Planning
        - Gigi Saunders, Biology
        - Jorge Rebaza, Mathematics
        - Vera Stanojevic, Mathematics
    - **CNAS Excellence Awards – Staff**
        - Brian Grindstaff, CNAS Machinist
        - Tara Herring, Biology Laboratory Supervisor
        - Gale Lininger, CNAS Executive Assistant

<u>NEW CNAS Faculty</u>
2014 Ridwan Sakidja, Physics, Astronomy and Materials Science Associate Professor
2015 Maria Stepanova, Physics, Astronomy and Materials Science Associate Professor
2015 Christopher Lupfer, Biology Assistant Professor
2015 Toby Dogwiler, Geography, Geology and Planning Department Head
2015 Bryan Breyfogle, Chemistry Department Head
2015 Keiichi Yoshimatsu, Chemistry Assistant Professor
2015 James Kratky, Mathematics Assistant Professor
2015 Fei Wang, Chemistry Assistant Professor
2015 Mahua Biswas, Physics, Astronomy and Materials Science Assistant Professor

2015 Razib Iqbal, Computer Science Assistant Professor
2015 Lisa Reece, Chemistry Instructor
2015 Helena De la Hoz De la Hoz, Chemistry Instructor
2015 Jorge Rebaza, CNAS Associate Dean
2015 Erich Steinle, CNAS Associate Dean

Staff hired during the 2014-2015 academic year
Benjamin Dalton, Biology Laboratory Supervisor
Shawn Erdman, Hospitality and Restaurant Administration Academic Advisor
Julie Vaughan, CNAS Budget Officer
Jason Ray, Planner. Center for Resource Planning and Management
Cindy Busby, Administrative Assistant, Hospitality and Restaurant Administration
Khushboo Hemnani, Microbiology Lab Coordinator

Responsible Stewardship

Fiscal_Year	2011			2012			2013		
	MSU_SCH COST	DE_AVG SCH_COST	MSU_SCH DEL_AVG	MSU_SCH COST	DE_AVG SCH_COST	MSU_SCH DEL_AVG	MSU_SCH COST	DE_AVG SCH_COST	MSU_SCH DEL_AVG
Department	Value	Value	Value	Value	Value	Value	Value	Value	Value
BIO	168	204	82.35	163	199	81.91	177	199	88.94
CHM	143	228	62.72	151	222	68.02	159	222	71.62
CSC	225	271	83.03	232	278	83.45	216	278	77.70
GGP	274	348	161.95	296	394	155.74	315	394	171.66
HRA	213	200	106.50	216	195	110.77	201	195	103.08
MTH	136	145	93.79	136	143	95.10	152	143	106.29
PAMS	202	240	84.17	206	252	81.75	228	252	90.48

✓ Dean and heads will allocate resources appropriately and college budget committee will continue to meet regularly.

- Based on Delaware cost numbers only – the chemistry department is in the most need of resources. Based on SCH production/faculty member chemistry is also in need of a faculty line.
- Computer science has seen the most significant increase in majors over the past five years. This increase is stretching their resources but has not impacted their Delaware numbers yet. I expect that with continued growth that another tenure-track/tenured faculty member will be needed.

✓ Space review and reallocation

HRA was successfully moved into Pummill Hall although construction is still not complete. Temple Hall and Plaster Sports Complex – six new teaching labs and other renovations occurred over the summer of 2014. This was a huge boost to STEM!!! It solved teaching lab issues but did not help with research lab space.

GGP, BIO and CHM continue to have a need for research space.
MTH and Computer Science have needs for renovated classrooms in Cheek Hall to support new teaching strategies and program growth in Computer Science.

Executive SWOT Summary

CNAS met nearly all of our goals for the year. A new action plan is developed each year.

Biggest Accomplishments – Construction projects completed.

Goals that we continue to work on -

Increasing graduation rates for CNAS units - What if every department had a goal to graduate 25% of majors every year? What would that mean? What would you have to change or do different to make that happen? Questions remain unanswered in most cases but departments are working on answers.

Although the Bear Claw is useful to some first year students it is not at all useful to STEM students beyond their first course. CNAS is forming study groups to aid these students.

Accreditation – Computer Science earned full ABET accreditation.

The college committee charged with organizing monthly seminars/workshops for faculty/staff to share teaching/learning/assessment projects did not meet this past year. This year they are helping their departments update their assessment plans.

Updated college workload policy and instituted a new CNAS faculty mentoring program.

Space issues are not done and we have lots and lots of work to do in the coming year!

Strengths – Faculty/student research; excellence in teaching by many, many faculty; external funding (submissions are up, funding is steady); instrumentation and facilities; outstanding students; study away opportunities for students. Teaching facilities continue to improve.

Weaknesses – A few science teaching facilities remain dated; all centers need to work toward being totally self-funded; need for more research space in the sciences – especially if we are to increase the number of STEM graduates.

Opportunities – Interest at the federal and state level to increase the number of STEM graduates; external funding opportunities in the sciences; cooperation with JVIC; MNAS program; PSM program; all graduate programs in the college. Graduate programs in the college could grow significantly with additional assistantships, faculty and space.

Threats – Declining state funding has decreased the number of tenure track/tenured faculty in the college which directly conflicts with the increasing student demand and the federal/state demands to increase STEM graduates. Lack of space for growth. Lack of recurring funding for service contracts on major instrumentation.

We have a list of goals for fundraising.
CNAS Fundraising Goals with action plans 8/29/2015 Update

CNAS Big Projects (prioritized)

#1 – Science/Public Health Facility on lot 19 - $50 million

#2 – STEM renovations/moves/namings - $5 million total

Continuing needs – KSGX Maintenance, Cheek Hall Renovation, Plaster Center for Free Enterprise, Temple Hall, Kemper Hall, Additional Research lab space.

#3/4 - Baker Observatory - $2-4 million (have renderings and a video)

Bull Shoals field station - $1 million (have renderings and new estimates)

Names submitted for both asks.

#5 – Greenhouse addition to Temple Hall $500,000

#6 - Faculty Awards - $2 million (program)

Ultimate goal is to have more endowed awards for faculty.

#7 - Equipment Fund - $5 million (program)

Already started with over $30,000!!!

Ultimate goal is to have an endowment.

#8 – Endowed Professorships (15 @ $1 million each)

#9 – Scholarships, scholarships, scholarships

Specifically need funds for BSED students. They must pay $650-750 for tests, etc during their last two years on campus above and beyond tuition/fees! Fully funded this would cost CNAS $15,000/year

#10 – Undergraduate Research Day - $2 million (program)

Ultimate goal is to have an endowment that covers this.

Department or Advisory Board Projects

- Chemistry – Speaker Series - $5000 (Advisory Board will meet October 16. Bryan Breyfogle new department head.)
- GGP – Endow the Fagerlin-Johnson-Moeglin Field Studies Scholarship - $25,000 (Advisory Board will meet October 16. Toby Dogwiler new department head.)
  - Establish the Robin Melton Memorial Scholarship - $25,000
- Engineering – Name all spaces in the new building (plan in place – is there one?)
- PAMS – PHYZBIZ and Baker Observatory (also on big list) (Advisory Board will meet October 16.)
- Bull Shoals Field Station – housing (also on big list)
- BIO – Advisory Board is committed to raising $20K for student research.
- CSC – Advisory Board will meet October 16. Department is raising money for Eric Shade Memorial Scholarship

Research Labs and new space!

Science building - $100 million (on master plan but no drawings)

New building on lot 4 – 200,000 sq ft of usable space

CNAS Summary of Assessment of Student Learning Outcomes

Student Learning Outcomes for each program are posted on their website –

http://biology.missouristate.edu/167553.htm - undergraduate
http://biology.missouristate.edu/167555.htm - graduate
http://chemistry.missouristate.edu/undergraduate/Learning_Outcomes.htm - undergraduate
http://chemistry.missouristate.edu/education/165378.htm - undergraduate (BSEd)
http://chemistry.missouristate.edu/graduate/165379.htm - graduate
http://computerscience.missouristate.edu/137120.htm - undergraduate
http://geosciences.missouristate.edu/Geography/Learning_Outcomes.htm
http://geosciences.missouristate.edu/Geology/Learning_Outcomes.htm
http://geosciences.missouristate.edu/GeospatialSciences/Learning_Outcomes.htm
http://geosciences.missouristate.edu/Planning/Learning_Outcomes.htm
http://www.missouristate.edu/hra/bs/Learning_Outcomes.htm - undergraduate
http://www.missouristate.edu/hra/bas/Learning_Outcomes.htm
http://math.missouristate.edu/undergraduate/Student-Learning-Outcomes.htm - undergraduate
http://math.missouristate.edu/MathEd/Student-Learning-Outcomes.htm - undergraduate
http://physics.missouristate.edu/undergraduate/Learning_Outcomes.htm

All departmental annual reports from 2014 included some assessment data and analysis. This reports are available upon request.

As several curricular changes have been made since all assessment plans were written they will be reviewed an updated in 2016.