



The Science of Success

State-of-the-College Address

College of Basic & Applied Sciences (CBAS)

Tom Cheatham, Dean

There are three things in life that are important:

1. Kindness
2. Kindness
3. Kindness

-William James

- **Welcome, Introductions and Thanks**
- **2009-10 Staff Changes**
- **2008-09 CBAS Awards**
- **2008-09 Highlights**
- **2008-09 Faculty/Dept/Stu Awards**
- **2008-09 EOY Data Summary**
- **CBAS Academic Master Plan**
- **Sexual Harassment & Discrimination**
- **CBAS Dean's Staff for 2009-2010**



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CBAS Staff Changes

If you're riding ahead of the herd, take a look back every now and then to make sure it's still there.

-Will Rogers

- **Dr. Ron Henderson, new PHYS Chair**
- **Dr. Don Nelson, new Interim Chair MATH**
- **LTC Therral "TK" Kast, new Chair M S**
- **Leigh Woodcock, ET Coordinator (TN Leap)**
- **Kim Floyd-Tune, NURS Secretary**
- **Lee Ann Newton, TMSTEC Exec. Aide**
- **Richard Audet, TMSTEC Coordinator**
- **Darla Jackson, TMSTEC Secretary**



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If I had asked
people what
they wanted,
they would
have said
"faster horses."

-Henry Ford

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2008-09 MTSU Foundation Awards

- 1. Leigh Ann McInnis, Outstanding Achievement in Instructional Technology Award**
- 2. Mary Martin, Outstanding Public Service Award**
- 3. Don Hong, Distinguished Research Award**
- 4. Anatoliy Volkov, Special Projects Award**
- 5. Cliff Ricketts, Career Achievement Award**



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College of Basic & Applied Sciences (CBAS)

2008-09 CBAS Awards

Excellence in Teaching: (Honorable Mention)

- **Bruce Cahoon** (M. Farone, Seipelt, Phillips, Zamora)
- **Sing Chong** (Brown, Kline, Sanger, Friedli)

Excellence in Teaching Innovations

- **Judith Bonicamp** (Melton)
- **Jungsoon & Sung Yoo**

Excellence in Publications:

- **Beng G. Ooi** (B. Miller, Luo)
- **Jeff Leblond** (Brower, Khaliq)
- **Wendy Beckman** (Zha, Chong)
- **Anhua Lin** (Pettey, Sanger)

Excellence in Presentations:

- **Michael Sanger** (Haffner, Ricketts, Chong, Ooi, Khaliq, Sadler)
- **Judith Iriarte-Gross** (Brown, Knight, Hoffman, Beckman, Montemayor, Weller)

Chance favors
the prepared
mind.

-Harlan Ellison



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College of Basic & Applied Sciences (CBAS)

2008-09 CBAS Awards (2)

The future
belongs to
those who
prepare for it
today.

-Malcolm X

Excellence in Service:

- **Michael Sanger** (Brzezicki, Sadler, Khaliq, Smith-Walters)
- **Joe Hawkins** (Parsons, Gill, Redd, Brower, Hoffman)

Excellence in Grantsmanship (\$1M Club):

- **Tony Farone**
- **Mary Farone**
- **Kim Sadler**
- **Rick Vanosdall**
- **Mary Martin**
- **Dovie Kimmins**
- **Kathy Mathis**
- **Carol Boraiko** (Carlton, Miller, Henderson, Enderson, Li, Dong, Craig, Dornan, Smith-Walters, Friedli)



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College of Basic & Applied Sciences (CBAS)

2008-09 CBAS Highlights-Faculty

A smile is the lighting system of the face, the cooling system of the head and the heating system of the heart.

- **220 full-time faculty in 2008-09 (5y=+10%)**
- **6 faculty were newly tenured in 2008-09**
- **9 faculty were newly promoted in 2008-09**
- **1 faculty retired in 2008-09**
- **Hired 7 new semi-permanent faculty in 2008-09**
- **Lost 7 faculty positions to budget cuts as of July 1, 2008**



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College of Basic & Applied Sciences (CBAS)

2008-09 CBAS Highlights-Students

Computers are useless. They can only give you answers.

-Pablo Picasso

- **5780 majors in CBAS in 2008-09 (5yr= +21%)**
- **Graduated 855 in 2008-09 (5y= +31%)**
- **Taught 56,974 students in 2008-09 (5yr= +50%)**
- **Generated 143,391 SCH in 2008-09 (5yr= +16%)**



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2008-09 CBAS Highlights-Programs

Before you
embark on a
journey of
revenge, dig
two graves.

-Confucius

- **Successful external reviews and TBR approval for 3 PhDs & MS in HS**
- **Approval for new BS in Biochemistry**
- **Approval for new BS in Forensic Science**
- **Successful 5-yr reviews of MS in AERO, CSCI, MATH**
- **Successfully defended: PHYS Dept, Farm Laboratories, CSCI Dept, ES&T Concentr.**
- **Proposed merger of two MS programs in AERO**
- **Will merge two conc. in the BS in MATH**
- **Lost conc. in Ag Comm., Plant Biology, Eng. Systems Tech., Medical Physics**



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2008-09 CBAS Highlights-Programs

Wisdom
outweighs
any wealth.

-Sophocles

- **Created Robert Noyce Scholarship Program (Carlton, Miller, Henderson, Enderson)**
- **Created Robert Noyce Master Teaching Fellows Program (Vanodsall, Chappell)**
- **Created GK-12 (graduate students in K-12) Program (A. Farone, M. Farone, Sadler)**
- **Submitted 2 proposals for funding for a UTeach Program (Phelps, Gilbert)**



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2008-09 CBAS Highlights-Facilities

Some people are always grumbling because roses have thorns; I am thankful that thorns have roses.

-Alphonse Karr

- **Failed to secure funding for science bld.**
- **Made little progress on new CIM building**
- **Dedicated Donald McDonald Maintenance Laboratory**
- **Designed new dairy milking facilities for Guy James Farm**
- **Repaired/replaced several hoods in DSB**
- **New master classroom in PHYS/CHEM, and CSCI**
- **Purchased 8 new synthetic vision airplanes for pilot training & ADSB equip.**
- **Replaced 66 faculty/staff computers**



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2008-09 Awards Summary

Faculty Awards					Other Awards		
Year	Fnd	OtherMT	Nat'l	State	Dept	Stu.	Diff (f+s)
08-09	5	25	12	9	5	42	134+11
07-08	5	22	9	5	8	50	NA
06-07	8	20	7	13	6	28	59+3
05-06	11	21	3	9	6	7	80+8
04-05	6	5	5	2	7	24	80+3
03-04	6	9	14	2	7	14	62+5
02-03	6	5	6	7	5	13	70+4
01-02	6	3	4	9	8	NA	68+1
00-01	7	1	1	2	6	NA	70+7



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College of Basic & Applied Sciences (CBAS)

2008-09 National Awards

- **Anne Brzezicki-Beacon of the IHSA Award**
- **Anne Brzezicki-AQHA Volunteer Award**
- **John Haffner-Service award from Mongolia VETNet**
- **Dave Whitaker-AQHA Volunteer Award**
- **Wayne Dornan-Key Influencer Recognition, Blue Angels**
- **Saeed Foroudastan-SAE Faculty Advisor of the Yr Award**
- **Judith Iriarte-Gross-Named AWIS Fellow**
- **Judith Iriarte-Gross-ACS ChemLuminary Award for Outstanding Outreach to Girls or Young Women**
- **Judith Iriarte-Gross-Named SENCER Leadership Fellow**
- **Mari Weller-Named SENCER Leadership Fellow**
- **Chuck Higgins-McGuffy Award (longevity in sci texts)**
- **Yuri Melnikov-Honorary Doctorate-Dnipropetrovsk U.**



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College of Basic & Applied Sciences (CBAS)

2008-09 Regional/State Awards

- **Dave Whitaker-TN Walking Horse Breeders and Exhibitors Association Youth Ambassador Award**
- **Dave Whitaker-TN Future Farmers of America Support Award**
- **Warren Gill-Farm Credit Heritage Award**
- **Joe Hawkins-Inducted into TN Aviation Hall of Fame**
- **Padgett Kelly-TN Distinguished Science Educator of the Year Award**
- **Kim Sadler-TN Science Teachers Assoc Higher Education Teacher of the Year**
- **Judith Iriarte-Gross-Southeast Regional Stan Israel Award**
- **Mike Walsh-Louisville Slugger Award**



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College of Basic & Applied Sciences (CBAS)

2008-09 MTSU Awards, Not Foundation

Include:

- **16 CBAS Awards from last year**
- **Pam Taylor-Distinguished Educator in Distance Learning Award**
- **Judy Campbell-Student Organization Advisor of the Year Award**
- **Steve Wright-Outstanding Honors Faculty Award**
- **Tony Johnston & Bill Stewart-Award for Outstanding Mentoring from the Disabled Student Services**

Life isn't a travel guide to follow. It's an adventure to undertake.



State-of-the-College Address

College of Basic & Applied Sciences (CBAS)

2008-09 Dept+Student Awards

Departmental Awards (5):

2008-09 MFT Student Performance Awards:

- **ABAS, 12th year in a row (3)**
- **CSCI, 7th year in a row**
- **PHYS 1st year**
- **AERO, 2nd year in a row**
- **NURS, 12th year in a row**

Student Awards (42):

ABAS (14):

- **2nd place Amer. Soc. of Horticultural Science Undergraduate Research Poster (Phillips)**
- **3rd place National IHSA Advanced Western Riding (Brzezicki)**
- **3rd place Amer. Society for Horticultural Science Undergraduate Research Poster (Phillips)**
- **4th place individual-Collegiate Livestock Judging (Carter)**
- **5th place individual-Collegiate Livestock Judging (Carter)**
- **5th place Dairy Products Evaluation Team (Boyer and Redd)**
- **7th place National IHSA Open Reining (Brzezicki)**
- **2nd place IHSA Semi-Final Open Reining Champion (Brzezicki)**
- **2nd place IHSA Semi-Final Advanced Western Champion (Brzezicki)**
- **1st place IHSA Regional Open Reining Champion (Brzezicki)**
- **2nd place IHSA Regional Advanced Western Riding Champion (Brzezicki)**
- **1st place state Ag Business Interview; 2nd place state Ag Educ Interview (Ricketts)**



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2008-09 Student Awards Continued

BIOL (8):

- **1st & 2nd Place Health and Medical Science Poster, TN Academy of Science (Wright)**
- **1st & 3rd Place Microbiology Poster, TN Academy of Science (Zamora)**
- **1st Place Biotechnology Poster, TN Academy of Science (Seipelt)**
- **2nd Place Molecular Biology Poster, TN Academy of Science (M. Farone)**
- **3rd Place Molecular Biology Poster, TN Academy of Science (Cahoon)**
- **2nd Place Poster Award, MTSU Scholars Day (Seipelt)**

CHEM (4):

- **3rd Team Academic All-American in USA Today (MacDougall & Wulfsberg)**
- **2nd Place "WISE" Oral Presentation, TN Academy of Science (Iriarte-Gross)**
- **2nd Place TLSAMP Science Oral Presentation (Kline)**
- **1st Place McNair Poster Competition (Chong)**

ET (5):

- **1st Place American Concrete Institute student team (Brown)**
- **2nd Place National Construction Management team (Hatfield & Vanhook)**
- **4th Place Team ACI Concrete Construction Award (Brown)**
- **1st Place Design Award for NASA Rocket Launch (Nasab)**
- **1st Place MTSU Graduate Student Award (Boraiko)**



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2008-09 Student Awards Continued

CSCI (1):

- **3rd Place Regional ACM Khepera Robot Undergraduate Research (Li)**

M S (4):

- **2 cadets awarded US Army Paratrooper Badge (Daugherty)**
- **2 cadets awarded US Army Air Assault Badge (Daugherty)**

NURS (2):

- **1st Place TASN Community Service Award (Campbell, Cooper, Wilson)**
- **1st Place TASN Spirit of Nursing Award (Campbell, Cooper, Wilson)**

PHYS (1):

- **3rd Place Undergraduate Poster Award, MTSU Scholars Week (Erenso)**

CBAS (3):

- **1st Place Safety Award NASA Great Moonbuggy Race (Foroudastan)**
- **1st Place Hull Design Intercollegiate Solar Boating Competition (Foroudastan)**



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College of Basic & Applied Sciences (CBAS)

2008-09 CBAS Data Summary

If you find yourself
in a hole, stop
digging.

-Will Rogers

- **CBAS won \$16M in extramural funding**
- **BIOL won over \$6M in extramural funding**
- **8 faculty received CBAS \$1M awards today**
- **CBAS faculty won 12 national awards**
- **CBAS students won 22 national awards**
- **ABAS faculty serve on 22 national boards and 58 state boards; ABAS staff serve on 19 state**
- **CBAS faculty serve on 135 national boards and 133 state boards/committees**
- **80 faculty directed undergraduate research**



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College of Basic & Applied Sciences (CBAS)

2008-09 EOY Data: Overview

Yr	Taught	Make Diff	# Prpls	\$ Prpls*	# Won	\$ Won	# Pubs	# Pres	# Serv	#UR +EXL
08-09	56,974	145	271	~\$63M	174	~\$17M	343	587	2170	3524[#]
07-08	51,622	NA	337	~\$48M	255	~\$8M	393	572	2509	2743
06-07	41,570	62	313	\$53M	233	\$14M	521	584	2672	2496
05-06	38,368	87	318	\$44M	258	\$17M	433	545	2264	1983
04-05	37,923	83	266	\$24M	180	\$10 ⁺ M	358	524	2199	NA

* Includes external grants, internal grants and gifts;

We have only been counting EXL since 2005-06.



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College of Basic & Applied Sciences (CBAS)

2008-09 Successes in Teaching (1)

DEPT	FALL 2007			FALL 2008			FALL 2009			2007-->2008		2008-->2009	
	FAC	MAJ*	SCH	FAC	MAJ**	SCH**	FAC	MAJ#	SCH**	% Inc Maj	% Inc SCH	% Inc Maj	% Inc SCH
ABAS	13	367	2,904	14	385	2,951	14	437	3,273	4.9%	1.6%	13.5%	10.9%
AERO	14	709	4,630	15	729	4,573	16	748	4,253	2.8%	-1.2%	2.6%	-7.0%
BIOL	43	549	13,621	42	558	14,041	42	655	14,583	1.6%	3.1%	17.4%	3.9%
CHEM	28	1,064	9,169	29	1,093	11,333	30	1,281	11,633	2.7%	23.2%	17.2%	2.6%
CSCI	13	320	3,309	14	308	3,488	14	344	3,849	-3.8%	5.4%	11.7%	10.3%
ET	21	852	5,039	22	986	6,003	22	1,034	5,650	15.7%	19.1%	4.9%	-5.9%
MATH	45	206	19,806	44	213	20,153	45	240	21,559	3.4%	1.8%	12.7%	7.0%
NURS	27	1,331	4,761	28	1,390	5,258	27	1,308	4,773	4.4%	10.4%	-5.9%	-9.2%
PHYS	13	52	4,192	12	55	3,624	12	64	3,999	5.8%	-13.5%	16.4%	10.3%
TOTAL	217	5,450	67,458	220	5,717	71,424	222	6,111	73,572	2.7%	2.5%	6.9%	3.0%

*Fall 2007 number of majors does not include 51 MS-PS majors.

**Fall 2008 number of majors does not include 59 MS-PS majors.

#Fall 2009 number of majors does not include 64 MS-PS majors.

NOTE: Numbers for Fall 2009 are preliminary and not official. September 11 is the official census date.

M S generated 284 SCH for Fall 2007, 284 for Fall 2008, and 429 for Fall 2009 which are not included.

Brzezicki, Kayser, Haffner and Whitaker are counted as ABAS faculty.



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College of Basic & Applied Sciences (CBAS)

2008-09 Successes in Teaching (2)

Making a Difference July 1, 2008 - June 30, 2009

DEPT	# Faculty Fall 2008	# Faculty Nominated	% Faculty Nominated	# Students Graduating	Tot # Fac Nomination	# Nom per Faculty
ABAS	14	8	57%	78	15	1.1
AERO	15	8	53%	149	14	0.9
BIOL	42	17	40%	97	28	0.7
CHEM	29	12	41%	93	20	0.7
CSCI	14	9	64%	40	9	0.6
ET	22	4	18%	154	10	0.5
MATH	44	9	20%	35	9	0.2
M S	6	0	0%	0	0	0.0
NURS	28	12	43%	182	27	1.0
PHYS	12	1	8%	6	1	0.1
CBAS	4	0	0%	21*	0	0.0
Totals	230	80	35%	855	133	0.6

Non-faculty employees nominated in 2008-09: Paul Mosey, G. Henkel (AERO), Janet Kelly (ABAS), Jennifer Braswell (CHEM), Becky Linville, Elizabeth Lamb (ET), LJ McAnly (NURS), D. Hudson (M S), Karen Case (CBAS). *MS-PS students counted in CBAS (not counted elsewhere).



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College of Basic & Applied Sciences (CBAS)

2008-09 Successes in Teaching (3)

All the great things are simple, and many can be expressed in a single word: freedom, justice, honor, duty, mercy, hope.

-Winston Churchill

Making a Difference in Lives of Students:

Most nominations:

Debra Wilson, NURS (6), Nate Callender, AERO (5), Terry Lee, CHEM; Sheila Marquart, NURS; Tony Farone, BIOL (4), Heather Brown, Joe Fulks, ET (4)

Nominated both semesters:

Nate Callender, Gerry Hill (AERO); Jessica Carter, Nate Phillips (ABAS); Tony Farone, Mary Farone, Steve Howard, Cindi Smith-Walters (BIOL); Terry Lee, Pat Patterson, Amy Phelps (CHEM); Heather Brown, Joe Fulks (ET), Sheila Marquart, Jenny Sauls (NURS)



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2008-09 Successes in Teaching (4)

Fall 2008 Student Evaluations of Faculty

	I	II	III	IV	V	VI	VII	AVG
ABAS	4.5	4.4	4.5	4.3	4.4	4.1	4.0	4.3
AERO	4.5	4.4	4.4	4.3	4.4	4.1	4.0	4.3
BIOL	4.3	4.3	4.4	4.3	4.2	4.0	3.9	4.2
CHEM	4.2	4.1	4.3	4.2	4.0	3.9	3.8	4.1
CSCI	4.2	4.2	4.3	4.2	4.0	4.0	3.8	4.1
ET	4.2	4.1	4.3	4.2	4.0	3.9	3.8	4.1
MATH	4.2	4.1	4.3	4.1	4.0	4.0	3.8	4.1
MS	4.2	4.1	4.3	4.2	4.0	3.9	3.8	4.1
NURS	4.2	4.1	4.3	4.2	4.0	4.0	3.8	4.1
PHYS	4.5	4.4	4.6	4.5	4.4	4.3	4.1	4.4
CBAS	4.3	4.2	4.4	4.3	4.1	4.0	3.9	4.2

I. Presentation Ability. II. Organization and Clarity. III. Assignments and Grading. IV. Intellectual and Scholarly Approach. V. Incorporation of Student Interaction. VI. Motivating the Students. VII. Effectiveness and Worth.



State-of-the-College Address

College of Basic & Applied Sciences (CBAS)

2008-09 Publication Successes (1)

2008-09 CBAS Publications Summary, 7/1/08 through 6/30/09

Dept	# Fac	Peer-Reviewed				Peer-Reviewed					Dept Total	# pubs/ fac	# fac partic	% fac partic
		Inter/Natl	Reg/State	Books	Book Chpt.	Manuals	Abstracts	In- Press	In- Rev	Other				
ABAS	14	4	1	1	1	0	7	1	4	1	20	1.4	7	50%
AERO	15	17	0	1	0	4	0	2	0	0	24	1.6	10	67%
BIOL	42	21	2	1	4	1	3	13	21	14	80	1.9	25	60%
CHEM	29	16	0	1	4	0	17	4	6	1	49	1.7	11	38%
CSCI	14	16	2	1	0	3	5	4	2	0	33	2.4	10	71%
ETIS	22	9	0	0	0	0	1	4	6	1	21	1.0	10	45%
MATH	44	28	0	2	3	0	0	11	20	6	70	1.6	24	55%
NURS	28	10	0	0	2	0	0	6	11	6	35	1.3	11	39%
PHYS	12	3	0	1	0	0	0	0	5	1	10	0.8	5	42%
CBAS	4	1	0	0	0	0	0	0	0	0	1	0.3	1	25%
TOTAL	224	125	5	8	14	8	33	45	75	30	343	1.5	114	51%

A room without books is like a body without a soul. -G.K. Chesterton



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College of Basic & Applied Sciences (CBAS)

2008-09 Publication Successes (2)

National/International refereed publications:

<<Incredible Work>>

- B. Miller: 7 + 2 in-review + 1 book chapter (bc)
- R. Luo: 7 + 1 in-review
- A. Brower: 5 + 2 in-review + 1 bc + 1 other
- A. Khaliq: 5
- X. Zha: 5
- S. Chong: 4 + 1 bc + 10 abstracts
- C. Pettey: 4 + 1 in-review
- M. Sanger: 3 + 5 in-review + 1 book + 2 bc

Science is
organized
knowledge.
Wisdom is
organized life.

-Immanuel Kant



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College of Basic & Applied Sciences (CBAS)

Grants (Ext + Int + Contracts + Gifts)

Comparison of Total Grants from 00-01 Through 08-09

Year	# Proposals Submitted*	Total \$ Requested	# Grants Funded	Total \$ Funded
08-09	271	\$62.9M	174	\$17.3M
07-08	337	\$47.4M	253	\$8.0M
06-07	313	\$52.9M	233	\$13.5M
05-06	318	\$43.5M	257	\$16.5M
04-05	266	\$24.2M	180	\$10.2M
03-04	313	\$35.8M	229	\$7.9M
02-03	310	\$44.7M	217	\$7.9M
01-02	239	\$22.5M	166	\$9.7M
00-01	149	\$12.3M	104	\$4.3M

*Includes external and internal grants, contracts and gifts (not Foundation)

*Does not include multiple listings of grants. Does not include MRIs or PFI.



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College of Basic & Applied Sciences (CBAS)

External Grants, Contracts & Gifts

Year	# External Submitted*	\$ External Submitted	# External Funded	\$ External Funded
08-09	148	\$60.8M	73	\$16.4M
07-08	172	\$45.3M	106	\$7.0M
06-07	148	\$48.7M	89	\$10.7M
05-06	153	\$39.6M	104	\$13.6M
04-05	143	\$21.1M	105	\$8.9M
03-04	185	\$34.2M	116	\$8.0M
02-03	180	\$42.4M	100	\$5.9M
01-02	155	\$20.6M	114	\$8.5M
00-01	76	\$11M	53	\$3M

**Includes external proposals, contracts and gifts.*

**Does not include 2 MRIs or PFI.*



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College of Basic & Applied Sciences (CBAS)

2008-09 External Grants + Gifts

2008-09 CBAS External Grants Summary, 7/1/2008 through 6/30/09

Dept	# Fac	# Prop Sub	Total \$K Sub	#Prop Fund	Total \$K Fund	\$Cont	Total (K) \$Fund + \$Cont	#Fac Sub	%Fac Sub	#Props/ Fac
ABAS	14	23	\$1,205	13	\$381	\$222	\$603	6	43%	1.6
AERO	15	11	\$7,232	5	\$997	\$120	\$1,117	9	60%	0.7
BIOL	42	32	\$19,724	15	\$6,396	\$1,070	\$7,466	15	36%	0.8
CHEM	29	21	\$7,416	11	\$782	\$336	\$1,118	11	38%	0.7
CSCI	14	7	\$1,932	4	\$641	\$236	\$877	9	64%	0.5
ET	22	19	\$7,098	8	\$2,051	\$817	\$2,868	11	50%	0.9
MATH	44	22	\$13,309	8	\$2,570	\$2,130	\$4,700	12	27%	0.5
MS	6	2	\$1,159	1	\$1,059	\$0	\$1,059	1	17%	0.3
NURS	28	5	\$118	3	\$28	\$190	\$218	3	11%	0.2
PHYS	12	9	\$4,033	4	\$978	\$42	\$1,020	6	50%	0.8
CBAS	4	11	\$10,847	6	\$4,421	\$636	\$4,957	4	100%	2.8
Totals*	230	148	\$60,847	73	\$16,406	\$5,621	\$21,927	87	38%	0.6

*These totals do not include multiple listing of any grants. Does not include 2 MRIs or the PFI.

I don't know the key to success, but the key to failure is trying to please everybody. -Bill Cosby



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College of Basic & Applied Sciences (CBAS)

2008-09 External Grants

- Eight (8) faculty received CBAS Million Dollar Awards today
- R. Carlton, D. Miller, R. Henderson, M. Enderson won \$900K NSF-RNF
- C. Li & Z. Dong won 2 grants for \$588K (+ another \$600K funded 7/09)
- Z. Dong received 2 grants for \$588K (+ another \$600K funded 7/09)
- W. Dornan received 2 grants for \$525K; 1 pending for \$4.9M
- P. Craig received a \$467K grant and submitted 3 more for \$6.1M
- BIOL won over \$6 million in new grants
- ET and MATH each won over \$2 million in new grants
- CBAS staff (Vanosdall, Carlton, Foroudastan, Cheatham) won over \$4.4 million + \$0.6M 7/09
- M. Walsh received \$1.1M for ROTC support
- C. Smith-Walters submitted 9 proposals totaling \$6.7M
- A. Friedli submitted 6 proposals totaling \$3.5M
- T. Cheatham received 2 grants for \$1.1M + [1 for \$600K on 7/09]
- Tibor Koritzansky + Bruce Cahoon & Sarah Bergemann rec. MRI awards totaling over \$2M to be counted next year.



State-of-the-College Address

College of Basic & Applied Sciences (CBAS)

2008-09 Internal Grants (1)

Comparison of Internal Funding from 01-02 through 08-09

Year	# Internal Submitted	\$ Internal Submitted	# Internal Funded	\$ Internal Funded*
08-09	123	\$2.1M	101	\$0.9M
07-08	165	\$2.2M	145	\$1.0M
06-07	165	\$4.2M	144	\$2.8M
05-06	165	\$3.9M	153	\$3.0M
04-05	124	\$3.1M	74	\$1.3M
03-04	128	\$1.6M	113	\$1.6M
02-03	130	\$2.3M	117	\$1.9M
01-02	84	\$2.1M	52	\$1.3M

**Includes TAF and R&R funding.*

I dream my paintings, and then I paint my dreams. -Van Gogh



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College of Basic & Applied Sciences (CBAS)

2008-09 Internal Grants (2)

2008-09 CBAS Internal Grants Summary, 7/1/08 through 6/30/09

Dept	# Fac	#Fac Sub	%Fac Sub	#Prop Sub	Total \$K Sub	#Prop Fund	Total \$K Fund*	#Props/Fac
ABAS	14	7	50%	16	\$568	8	\$116	1.1
AERO	15	4	27%	4	\$41	2	\$21	0.3
BIOL	42	11	26%	23	\$294	21	\$244	0.5
CHEM	29	9	31%	25	\$454	20	\$200	0.9
CSCI	14	6	43%	12	\$168	11	\$115	0.9
ET	22	5	23%	10	\$122	8	\$36	0.5
MATH	44	12	27%	15	\$133	14	\$95	0.3
MS	6	1	17%	1	\$44	1	\$44	0.2
NURS	28	7	25%	6	\$116	6	\$17	0.2
PHYS	12	2	17%	2	\$94	1	\$6	0.2
CBAS	4	2	50%	9	\$26	9	\$26	2.3
Totals	230	66	29%	123	\$2,060	101	\$920	0.5

*TAF and R&R funding is included.

Do not protect yourself by fence, but rather by friends. –Czech Proverb



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College of Basic & Applied Sciences (CBAS)

2008-09 CBAS Presentations (1)

2008-09 CBAS Presentations Summary, 7/1/2008 through 6/30/09

Dept	# Fac	In/Nat Invited*	In/Nat	Reg/State	Local	Dept Total	#Pres/Fac	# Fac Partic	% Fac Partic
ABAS	14	11	29	43	46	129	9.2	14	100%
AERO	15	0	9	0	3	12	0.8	6	40%
BIOL	42	1	35	42	38	116	2.8	23	55%
CHEM	29	24	29	41	44	138	4.8	19	66%
CSCI	14	0	19	8	9	36	2.6	11	79%
ET	22	6	16	8	10	40	1.8	11	50%
MATH	44	14	22	12	18	66	1.5	24	55%
NURS	28	4	8	7	6	25	0.9	11	39%
PHYS	12	6	8	4	5	23	1.9	7	58%
CBAS	4	0	1	1	0	2	0.5	1	25%
TOTAL	224	66	176	166	179	587	2.6	127	57%

*Only includes invited national and international presentations

Choose a job you love, and you will never have to work a day in your life. -Confucius



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College of Basic & Applied Sciences (CBAS)

2008-09 Presentation Successes (2)

Outstanding Presentation Activities for 2008-09:

- 100% of ABAS and 79% of CSCI faculty made presentations
- CHEM had 138, ABAS 129, and BIOL 116 presentations
- ABAS had 9.2 presentations/faculty
- CHEM made 53 in/national presentations
- ABAS made 40 in/national presentations, BIOL & MATH each made 36
- J. Haffner, 13 in/national presentations (9 while visiting Mongolia)
- C. Ricketts, 7 in/national presentations + 14 reg/state + 24 local
- N. Chong, 7 in/national presentations + 3 reg/state + 6 other
- B. Ooi, 7 in/national presentations + 1 reg/state + 6 other
- A. Khaliq, 7 in/national presentations
- K. Sadler, 6 in/national presentations + 7 reg/state + 4 local
- H. Brown, 6 in/national presentations + 2 reg/state
- M. Knight, 5 in/national
- R. Hoffman, W. Beckman, V. Montemayor, M. Weller each had 4 in/national
- S. Bergamann, A. Neely each 4 in/national presentations (newcomers!)



State-of-the-College Address

College of Basic & Applied Sciences (CBAS)

2008-09 CBAS Service Activities (1)

2008-09 CBAS Service Summary, 7/1/2008 through 6/30/09

Dept	# Fac	Natl Boards	Regional/ State Bd.	Prof.	Public	University			Univ Total	Dept Total	#Act/ Fac	# Fac Partic	% Fac Partic
						MTSU	CBAS	Dept					
ABAS	14	22	58	34	144	30	8	79	117	375	26.8	14	100.0%
AERO	15	16	0	13	5	60	0	20	80	114	7.6	9	60.0%
BIOL	42	29	34	135	109	30	15	40	85	392	9.3	34	81.0%
CHEM	29	15	15	66	115	36	17	52	105	316	10.9	22	75.9%
CSCI	14	3	1	56	12	10	4	27	41	113	8.1	13	92.9%
ETIS	22	19	4	65	63	21	7	73	101	252	11.5	18	81.8%
MATH	44	11	8	66	31	36	19	74	129	245	5.6	31	70.5%
NURS	28	16	9	56	49	22	10	90	122	252	9.0	27	96.4%
PHYS	12	2	0	15	28	11	8	18	37	82	6.8	10	83.3%
CBAS	4	2	4	11	7	4	1	0	5	29	7.3	3	75.0%
TOTAL	224	135	133	517	563	260	89	473	822	2170	9.7	181	80.8%

Teamwork means never having to take all the blame yourself.



The Science of Success

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College of Basic & Applied Sciences (CBAS)

2008-09 Service Successes (2)

- 100% of ABAS & >90% NURS+CSCI faculty participated in service activities
- ABAS faculty averaged ~27 service activities/faculty
- BIOL faculty serve on 29 national boards and 34 state boards
- ABAS faculty serve on 22 national boards and 58 state boards
- ABAS staff sit on an additional 19 state boards
- 7 (of 9) departments have faculty serving on >10 national boards
- A. Brzezicki sits on 11 nat'l boards+8 state board+310 EXL+20 other serv.
- K. Sadler sits on 11 nat'l boards, 1 state board + 45 other service activities
- A. Khaliq sits on 6 nat'l boards+1 reg/state boards + 22 other services
- C. Smith-Walters sits on 2 nat'l boards+10 state boards+25 other services
- L. Parsons sits on 7 national boards
- W. Gill sits on 16 state boards and 1 national board
- T. Redd sits on 15 state boards
- A. Brower, R. Hoffman each sit on 5 national boards

Don't give up. You may not know success if you stop trying one attempt too soon.



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College of Basic & Applied Sciences (CBAS)

2008-09 Collaboration Successes (1)

2008-09 CBAS Faculty/Student Collaboration Summary, 7/1/2008 through 6/30/09

Dept	# Fac	EXL	UGR	EXL+UGR Total	#Fac partic in UGR	#Fac partic in EXL	%Fac partic in UGR	%Fac partic in EXL	%Fac partic in (exl+ugr)	#exl/fac	#ugr/fac
ABAS	14	402	113	515	11	10	79%	71%	86%	28.7	8.1
AERO	15	335	4	339	1	6	7%	40%	38%	22.3	0.3
BIOL	42	547	326	873	21	19	50%	45%	57%	13.0	7.8
CHEM	29	332	255	587	16	13	55%	45%	62%	11.4	8.8
CSCI	14	8	23	31	7	2	50%	14%	50%	0.6	1.6
ET	22	248	72	320	7	11	32%	50%	55%	11.3	3.3
MATH	44	8	31	39	8	3	18%	7%	22%	0.2	0.7
NURS	28	725	5	730	2	17	7%	61%	63%	25.9	0.2
PHYS	12	0	38	38	6	0	50%	0%	50%	0.0	3.2
CBAS	4	2	50	52	1	1	25%	25%	25%	0.5	12.5
TOTAL	224	2607	917	3524	80	82	36%	37%	50%	11.6	4.1

UGR=Undergraduate Research; EXL=Experiential Learning



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College of Basic & Applied Sciences (CBAS)

2008-09 Collaboration Successes (2)

Outstanding EXL Collaborations:

- A. Brzezicki over 300 EXL activities
- >100 EXL: Sullivan, Marquart, Hix, Seipelt, Cahoon
- >50 EXL: Sridhara, Brown, Prather, Beckman, Callender, Dorris, J. Campbell, Purnell, Harris, Chong, S. Howard, Bonicamp

Outstanding Undergraduate Research Successes:

- >35 (outside class) UR: Phillips, Chong, Cahoon, Seipelt, Ooi, Zamora, Foroudastan
- >20 (outside class) UR: Friedli, Kline, Sanger, Wright, Cobb, Leblond, Thompson, Brown, Gardner

Reality is the mirror of your thoughts. Choose well what you put in front of the mirror. –Remez Sasson

The secret of getting rich: Friendships are priceless, time is invaluable, health is wealth, and love is a treasure.



State-of-the-College Address

College of Basic & Applied Sciences (CBAS)

Sexual Harassment & Discrimination

On-line Training Available

Preventing Sexual Harassment:

<http://training.newmedialearning.com/psh/mtsu/>

Preventing Employment Discrimination:

<http://training.newmedialearning.com/ped/mtsu>

Tomorrow is a beautiful road that will take you right where you want to go.



State-of-the-College Address

College of Basic & Applied Sciences (CBAS)

The Science of Success

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