STATE OF THE COLLEGE

Agenda

• Welcome
• CBAS Accomplishments
• CBAS Data
• CBAS Budget
• CBAS – New Building/Backfill
• CBAS – Challenges
CBAS ACCOMPLISHMENTS
New Faculty

**Associate Professors**
- Dr. Randall Johnson, Aerospace
- Dr. Jason Jesson, Biology
- Dr. Jing Kong, Chemistry
- Dr. Gregory Sedrick, Engineering Technology

**Assistant Professors**
- Mr. Tyler Babb, Aerospace
- Dr. Song Cui, School of Agribusiness/Agriscience
- Dr. Grant Gardner, Biology
- Dr. Erin McClelland, Biology
- Dr. David Nelson, Biology
- Dr. Kevin Bicker, Chemistry
- Dr. Keying Ding, Chemistry
- Dr. Yi Gu, Computer Science
- Dr. Vishwas Bedekar, Engineering Technology
- Dr. Rachel Leander, Mathematical Sciences
- Dr. Alyson Lischka, Mathematical Sciences

**Lecturer**
- Don Crowder, Aerospace
- Ms. Kara Youngblood, Agribusiness/Agriscience
- Dr. Dustin Kavich, Physics/Astronomy

**STAFF**
- Mr. Matthew Wade, farm director, Agribusiness/Agriscience

**15 Tenure-Track Faculty**

**3 Lecturers**
Expected Position Hires (for fall 2014)

Replacement Positions:
- 3 positions altogether, including Aerospace (1), Computer Science (1), and Concrete Management (1)

New Positions:
- Engineering Technology – Mechatronics.
**Accomplishments:**

**Department Successes**

- **Physics** – received the first ever President’s Award for Exceptional Department Initiative for Student Success.
- **MFT Academic Performance Awards:**
  - ABAS, 16th year in a row
  - AERO, 6th year in a row
  - CSCI, 11th year in a row
  - MATH, 1st year in a row
  - PHYS, 2nd year in a row
- **Engineering Technology** developed and received approval for a new undergraduate degree program in Mechatronics
- The Engineering Technology and Computer Science have successfully been accreditation ABET visits.
- **CIM** received the American Concrete Institute’s Excellent University award
- The Forensic Science degree program in Biology grown to over 100 majors and is working towards national accreditation of the program.
- The Department of Mathematical Sciences has successfully provided support to both COMS and MSE through instruction, advice, and mentoring.
- Chemistry will be hosting a Freshman/new chemistry major welcome evening which will be hosted by the department chair along with selected advisors. At this event will distribute the first edition of our new UG Chem Major Handbook.
- The ABAS and MS student Sarah Newton-Cromwell have developed an equine-assisted therapy program for veterans with serious mental illness by partnering with the Murfreesboro Veteran's Administration's Veterans Recovery Center (VRC)
- **Aerospace** established a new mentoring/tutoring program, have continued their bridge partnerships with regional airlines and expand the shared credit program with additional high schools.
- **Military Science** successfully 13 students in 2012-13.
Accomplishments:

FACULTY

MTSU 2012-13 Foundation Awards:

- **Outstanding Teacher**: Dr. Mary Farone (Biol), Dr. Rhonda Hoffman (ABAS)
- **Outstanding Achievement in Instructional Technology**: Dr. Victor Montemayor (Physics)
- **Special Projects Award**: Dr. Saeed Foroudastan (CBAS), Dr. Gail Zlotky (AERO)

Awards:

- Jessica Carter and Rhonda Hoffman (ABAS), 4th Place, Website Design. 93rd Block & Bridle National Convention, April 4-6, 2013. [http://mtweb.mtsu.edu/bandb/](http://mtweb.mtsu.edu/bandb/)
- Warren Gill (ABAS) awarded the 2012 Gamma Sigma Delta Distinguished Achievement in Agriculture Award. This is the highest level of award presented by this organization.
- Anne Brzezicki (ABAS), TN Professional Horsemen’s Most Valuable Member Award; nominated and made final selection for national award
- Jeff Walck (BIOL), Chinese Academy of Sciences Visiting Professorship for Senior International Scientists
- Cindi Smith-Walters (BIOL) 2012 - Fellow; Tennessee Academy of Science
- Brian Miller (BIOL) and team won a national award from the Association of Fish and Wildlife Agencies for their studies on the Hellbender Salamander in Middle Tennessee
- Judith Iriarte-Gross (CHEM) received MTSU President’s Silver Column Award
- Cliff Ricketts (ABAS) received MTSU President’s Silver Column Award
- National Professional Science Master’s Association (NPSMA) awarded the first Board of Directors Award for outstanding contributions to the Professional Science Master’s (PSM) movement to Saeed Foroudastan
- Dr. Siti Hidayati (Biol) received a 2013-2014 Fulbright U.S. scholar grant
- Dr. Victor J. Montemayor, (Physics) won the Ernest L. Boyer International Award for Excellence in Teaching, Learning, and Technology.
Accomplishments:

STUDENTS

 **ABAS:**
  - Horticulture Competitions (American Society for Horticultural Science)Team (Miami, FL)
    - 1st place overall
    - 1st place – Fruit and Nuts Commodities Judging
    - 1st place – Woody Ornamental Identification
    - 2nd place – Vegetable Commodities Judging
  - Individuals (Miami, FL)
    - 1st place – Fruit and Nuts Commodities Judging – Cody Seals
    - 1st place – Woody Ornamental Identification – Katlin O’Connor
    - 2nd place – Written Exam – Eric Limbird

 Tennessee Collegiate FFA:
  - Second Place; Agribusiness Job Interview, Tennessee Collegiate FFA
  - First Place; Public Speaking, Tennessee Collegiate FFA
  - Third Place; Agricultural Education Job Interview, Tennessee Collegiate FFA
  - First Place; Creative Design, Tennessee Collegiate FFA
  - Third Place, Outstanding Collegiate FFA, Tennessee Collegiate FFA
  - Dr. Ricketts and students drove an automobile from coast to coast (Savannah, Georgia to Long Beach California) on hydrogen from water separated by the sun.

 Equestrian Team Results:
  - Emily Kopko Regional Champion Team Novice Horsemanship; Semi- finals- Champion, National Champion
  - Anna Caruso – Regional Champion, Semi Finals Champion, Nationals 5th place Advanced Horsemanship, 5th place Reining, 5th place Team Open
  - Logan Siler, Semi-finals Champion, Beginner Horsemanship, National Championship 7th place
  - **High Point Regional Western Team Champion 2012-2013 season**
  - IHSA All-Academic awards: Layne Sanders, Emily Kopko, Ellen Goertzen, Kaylee Leydens, Anna Caruso, Dannie Lowrey, Lacey Hubbs, Katharine Driver
Accomplishments:

Students

- **AERO**
  - 2nd place scholar's week poster competition
  - One recipient URESA Grant
  - Two honors thesis completions
  - Four NBAA scholarships.
  - One ISTAT scholarship.

- **BIOL**:  
  - 5 Biology students were awarded URECA scholarships at MTSU: Tiara Rainer, Nathan Rogers Nicole Millsaps, Logan Smith, Lauren Whaley.

- **CHEM**:  
  - Jordan Dodson, 2013 Goldwater (also a Math and Physics Major).
  - Daniel Gouger, 2012-2013 Fulbright.
  - Jordan Dodson, NSF REU Fellowship.
  - Jacob Basham, McNair Research Fellowship.
  - Angel Navarro & Haley Williams: 1st place poster at TLSAMP UG Research Conference.
    - Tennessee Academy of Science Award Winners
  - Jacob Basham: 1st place poster (Chemistry).
  - Rachel Davies: 1st place oral presentation (History of Science).
  - Rachel Davies & Lauren Labeff: 3rd place poster (Math/Sci Ed.).
  - Jordan Dodson: 1st place oral presentation (Chemistry).
Accomplishments:

Students

- **CIM:**
  - Sixteen students in the CIM major won scholarships in 2013. Those students include: Hunter Swider, Alexander Boyd, Tony Crass, Thomas Miller, Jacob Cope, Ross Pepper, Shane Xu, Opial Dalton, Jason Dixon, Heath Holden, Cameron Volk, Kendal White, Robert Bradley and Keemem Berry.

- **CSCI:**
  - Dusty Patterson, Nathan Reale, and Matt Houglum made up the programming team that won 5th place at the ACM regional programming contest. (Mentors: Zhijiang Dong and Sung Yoo).
  - Alex Williams and Anthony Davis, 3rd place winners in the 2013 MTSU Scholar's Week Poster Competition. Poster title: False Discovery Rates for Iterative Database Searching (mentor: Hyrum Carroll)
  - Brian Cuff, Josh Wade, Stephen Speck, Pedro Reyes, David Ingle, and Chelsea Rath received MTSU Undergraduate Research Experience and Creative Activity (URECA) awards.

- **ET:**
  - Best poster award at DT Open House-Justin Morris
  - Blue Raider Moonbuggy Team Receives Highest Score from NASA among U.S. college entries and finished in third place internationally.
  - The MTSU solar boat team sailed confidently into the list of top ten competitors (7th Place) at the 20th annual Solar Splash World Championship competition. They secured five awards: Second place award in Sprint, 2nd fastest Boat in the competition, Design Achievement Award, Outstanding Workmanship Award and a Participation Award
Accomplishments:

Students

- MS:
  - Cadet, now Lieutenant, Michael Graham was a George C. Marshall Award winner

- Math:
  - Sara Nasab, Math MS GTA, awarded a summer internship from DHS-STEM at Lawrence Berkeley National Laboratory
  - Ye Ye, Math MS GTA, awarded a summer internship from the Tennessee Department of Insurance
  - H. Bhatt, COMS student, 2nd prize Poster at MTSU Scholars Day
  - Caleb Shimberg and Cliff Bowman, MSPS Actuarial Science students were awarded a summer internship from the Tennessee Department of Insurance
  - Four actuarial students, Ying Peng (MSPS Actuarial Science student), Harold Tuthill (MS student), Jianxing Yang (MSPS Actuarial Science student), and Le Yin (MSPS Actuarial Science student), received 2012 scholarships from the Southeast Actuarial Conference

- Physics:
  - Fulbright Fellowship winner, Eric Guyes (Israel)
  - Goldwater Scholar winner, Daniel Murphy
  - Goldwater Scholar honorable mention, Jonathan Herlan
  - 1st place Scholars Day poster, Lauren Rigsby, Eric Guyes (tie)
  - 2nd place Scholars Day poster, Vijay Koju
  - Provost’s Award, Jordan Dodson (also majoring in Math and Chemistry)
  - 1st place poster T-AAPT conference, Eric Guyes, Lauren Rigsby (tie)
  - 2nd place poster T-AAPT conference, Jonathan Herlan, Rance Solomon (tie)
  - 3rd place poster T-AAPT conference, Sean LePard

JUST SOME OF THE GREAT ACCOMPLISHMENTS OF CBAS STUDENTS
CBAS DATA
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<th>Year</th>
<th>Graduates</th>
<th>Undergraduates</th>
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<tr>
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<td>258</td>
<td>4132</td>
</tr>
<tr>
<td>2009</td>
<td>282</td>
<td>4571</td>
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<td>2010</td>
<td>338</td>
<td>4793</td>
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<td>2011</td>
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<td>4756</td>
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<tr>
<td>2012</td>
<td>439</td>
<td>4674</td>
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CBAS Degrees Conferred

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<td>Graduates</td>
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<td>25</td>
<td>20</td>
<td>22</td>
<td>35</td>
<td>93</td>
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<td>Undergraduates</td>
<td>576</td>
<td>652</td>
<td>635</td>
<td>668</td>
<td>729</td>
<td>672</td>
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CBAS Student Credit Hours

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<th>SCH in Thousands</th>
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<tr>
<td>2008-09</td>
</tr>
<tr>
<td>2009-10</td>
</tr>
<tr>
<td>2010-11</td>
</tr>
<tr>
<td>2011-12</td>
</tr>
<tr>
<td>2012-13</td>
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</table>

<table>
<thead>
<tr>
<th>SCH</th>
<th>132,603</th>
<th>138,555</th>
<th>145,424</th>
<th>145,547</th>
<th>141,431</th>
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CBAS Making A Difference Nominations

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<tr>
<th>Year</th>
<th>Nominations</th>
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<tr>
<td>2009-10</td>
<td>73</td>
</tr>
<tr>
<td>2010-11</td>
<td>50</td>
</tr>
<tr>
<td>2011-12</td>
<td>68</td>
</tr>
<tr>
<td>2013-13</td>
<td>72</td>
</tr>
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</table>
An average of 50% of faculty are publishing each year.
An average of 55% of faculty are making presentations each year.
An average of 79% of faculty are participating in service activity each year
CBAS BUDGET
<table>
<thead>
<tr>
<th>Activity</th>
<th>BASE</th>
<th>CUR_BUDGET</th>
<th>SUM_YEAR_TO_DATE_ACTIVITY</th>
<th>ENCUMB</th>
<th>BAL</th>
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</thead>
<tbody>
<tr>
<td>Salaries</td>
<td>19,947,283.89</td>
<td>20,049,283.89</td>
<td>2,607,047.77</td>
<td>16,510,253.50</td>
<td>931,982.62</td>
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<tr>
<td>Benefits</td>
<td>6,627,837.00</td>
<td>6,627,837.00</td>
<td>1,133,701.19</td>
<td>-</td>
<td>5,494,135.81</td>
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<tr>
<td>Travel</td>
<td>182,520.00</td>
<td>185,875.00</td>
<td>69,050.73</td>
<td>-</td>
<td>116,824.27</td>
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<tr>
<td>Operating</td>
<td>2,405,621.00</td>
<td>3,605,734.01</td>
<td>396,488.90</td>
<td>1,057,468.50</td>
<td>2,151,776.61</td>
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<td>Equipment</td>
<td>193,959.00</td>
<td>266,600.01</td>
<td>72,941.00</td>
<td>70,327.49</td>
<td>123,331.52</td>
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<tr>
<td>Scholarships</td>
<td>512,222.00</td>
<td>514,222.00</td>
<td>-</td>
<td>-</td>
<td>514,222.00</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$ 29,869,442.89</strong></td>
<td><strong>$ 31,249,551.91</strong></td>
<td><strong>$ 4,279,229.59</strong></td>
<td><strong>$ 17,638,049.49</strong></td>
<td><strong>$ 9,332,272.83</strong></td>
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</table>

- Salaries + Benefits are 85.3% of the budget
- Operating Budget are 11.5% of the budget
# Dean’s Office Budget

<table>
<thead>
<tr>
<th>Account Name</th>
<th>SALARIES</th>
<th>BENEFITS</th>
<th>TRAVEL</th>
<th>OPERATING</th>
<th>EQUIPMENT</th>
<th>TOTAL</th>
<th>COMMITED</th>
<th>EXPENSES TO DATE</th>
<th>BALANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialist - Instructional Tech</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$8,480.00</td>
<td>$0.00</td>
<td>$8,480.00</td>
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<td></td>
<td>$1,398.73</td>
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<tr>
<td>Other Instruc - Bas &amp; Appl Sci*</td>
<td>$48,119.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$48,119.00</td>
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<tr>
<td>Recruitment</td>
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<td>$0.00</td>
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<td>$0.00</td>
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<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$1,065.00</td>
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<tr>
<td>Indirect Cost **</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$73,441.31</td>
<td>$0.00</td>
<td>$73,441.31</td>
<td>$73,441.31</td>
<td>$38,072.67</td>
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<tr>
<td>Dean - Bas &amp; Appl Sci</td>
<td>$570,636.50</td>
<td>$206,518.00</td>
<td>$4,500.00</td>
<td>$13,006.00</td>
<td>$0.00</td>
<td>$794,660.50</td>
<td>$650,604.39</td>
<td>$136,401.68</td>
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<td>Advising</td>
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<td>$82,390.00</td>
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<td>$8,500.00</td>
<td>$0.00</td>
<td>$253,394.00</td>
<td>$207,051.25</td>
<td>$38,436.30</td>
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<td>TT Fac Yrs 1-5 Travel</td>
<td>$0.00</td>
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<td>$0.00</td>
<td>$1,000.00</td>
<td>($1,000.00)</td>
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<td><strong>TOTALS</strong></td>
<td>$781,259.50</td>
<td>$288,908.00</td>
<td>$4,500.00</td>
<td>$103,427.31</td>
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<td>$1,178,094.8</td>
<td>$943,847.31</td>
<td>$191,099.14</td>
<td>$43,148.36</td>
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* $48,119 in "Other Instructional" are adjunct dollars and cannot be used for expenses other than adjuncts
** Commitments in "Indirect Cost" account include new faculty start-up.
New Science Building

Cost: 147,000,000
Size: 250,000 gross sq. ft.
At least 80 percent of all MTSU students will take at least one class in the new building.
Opens: Spring 2015
New Science Building
New Science Building
New Science Building

- 257,000 gross square feet of usable space
  - 37 class labs
  - 2 open labs
  - 13 research labs
  - 6 classrooms
  - faculty offices
  - numerous informal learning areas
  - space for student presentations.

- 1,500 new student stations will be provided in the labs and classrooms.

Backfill
CBAS – CHALLENGES
College Basic and Applied Sciences

Strategic Planning:

- Have begun a new strategic planning process to identify College priorities and work towards their proper implementation.
  - Created a committee – Dr. Andrienne Friedli, Dr. Angela Barlow, Mr. Ayaz Ahmed, Mr. Charles B. Buntin, Dr. Chrisilia Pettey, Dr. Chuck Higgins, Dr. Dennis Mullen, Dr. Jeremy Strayer, Mr. Joe Hawkins, Dr. Justin Gardner, Dr. Preston Macdougall, Dr. Rhonda Hoffman, Dr. Saleh Sbenaty, Mr. Thomas Gormley, Dr. Zhijiang Dong.
  - Conducted a Faculty, Staff, Student and Friend’s of College Survey, developed a draft of a new mission and vision statement
  - Shared data with Constituents

Help:
- Need active participation from all parties at focus groups, town hall meetings and discussions sessions
- Need people to volunteer to be part of committee as it expands
- Need you to participate in departmental strategic planning
Retention:

- Retention will remain a major focus of the University and College. The retention numbers for the college are:

Average Retention: CBAS – 76.8%, UNIVERSITY – 78.5%
Retention:

- What we are doing as a College:
  - Freshman Seminar in each Department.
  - Tutoring Changes – including move to library and intrusive tutoring (SI or LA).
  - New recruitment materials, added recruitment emphasis on what departments have to offer, follow-up process and out-state recruitment.
  - Hiring of an additional Pre-Health Advisor
  - Development of a advising plan
  - Course Redesign – Chemistry, Biology, and Math

Help:

- Need people to volunteer to be part of College Retention Committee.
- I need departments to continue to brainstorm on how to improve retention in departments.
Research and Partnerships:

- Need to increase our research productivity and partnerships
- What we are doing as a College:
  - Have continued to increase release time for faculty research.
  - Have increased money for travel for faculty and students.
  - Have increased the visibility of research in the college (newsletters, press releases, community activities).
  - Add advisory boards in a number of departments.
  - Proposal for a Associate Dean for Research.
  - Will start ORS brown bags with departments.

Help:

- Need volunteers to be part of College Research Committee.
- Need people to continue to send accomplishments to the Dean’s Office
- Need to help the departments and college identify research, internship and partnership opportunities.
- Need help identifying road blocks and solutions
Engagement:

- Need to discuss at department and college levels
  - How do we improve the teaching and learning environment for our students?
  - How do we improve the teaching, research and learning environment for our faculty?
  - How to we encourage engagement between our students and faculty outside the classroom?
  - How to we encourage engagement between faculty outside their departments?
  - How do we develop an environment in the college for curriculum development and innovation?
  - How do we as a college become more involved in activities on-campus and off campus?
College Basic and Applied Sciences

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