



The Basic Facts

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The Basic Facts, College of Basic and Applied Sciences, Middle Tennessee State University, Murfreesboro, TN

CBAS Begins a New Year With a New Graduate Degree

The Science of Success

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At its November 2004 Commission meeting, the Tennessee Board of Regents and the Tennessee Higher Education Commission approved a new Master's degree in Professional Science for MTSU to begin operation in January 2005. Professional Science Master's (PSM) programs are designed to prepare graduates for entry-level professional positions in business, government and non-profit employment sectors. PSM programs generally consist of a core of advanced work in a discipline or an interdisciplinary area, augmented by

work in information technology and related disciplines. MTSU's program features a 12-hour professional business core, a 21-hour concentration in either Biostatistics, Biotechnology, or Health Care Informatics, and a 3-hour internship. A grant supporting the creation of the new program was provided by the Alfred P. Sloan Foundation.

An office for the new program is being established in the College of Basic & Applied Sciences. Diane Miller (Ext. 2613), interim associate



dean, is serving as program coordinator. Coordinators for each concentration are: Linda McGrew (Ext. 2902), professional business core; Pat O'Leary (Ext. 5621), Health Care Informatics; Ginger Rowell (Ext. 5540), Biostatistics; and Becky Seipelt (Ext. 8393), Biotechnology. Those desiring information about a specific concentration should contact the coordinator. Additional information about the degree program is available at <http://www.mtsu.edu/~graduate/psm>.

CBAS Hosts EPSCoR Workshop

Dr. George Garrison, Director of the Tennessee Experimental Program to Stimulate Competitive Research (EPSCoR), asked MTSU to host the statewide EPSCoR workshop in January on Computer Applications and Cyber Infrastructure, one of the focus areas selected last year in the EPSCoR brainstorming sessions.

Over sixty individuals registered for the two-day workshop. Some of the presentations included sessions by research teams and other computer-

related groups. Several MTSU faculty presented: Steve Howard (BIOL), Ralph Butler (CSCI), Cen Li (CSCI), and Preston MacDougall (CHEM). The dean appreciates the support from the CBAS faculty to make a good showing to visitors from across the state.



Science & Math Planning Group Working

In early September 2004, Dr. Gebert funded members of the Biology, Chemistry, Computer Science, Geosciences, and Physics/Astronomy departments to attend a Project Kaleidoscope (PKAL) workshop on new science facilities. PKAL was initially funded by NSF to help universities understand how science pedagogy impacts facilities and vice versa. The focus of PKAL is always "how can we design and build science buildings

that enable learning." It was a great workshop. We came back with a goal of having an educational program master plan defined for science and math at MTSU by May 2005. We met every other week throughout the fall semester while departments worked on their own academic master plan, some progressing faster than others. Of course, we are hopeful that the state will allocate planning money for MTSU's new science building in summer 2005. We want to be ready when this happens. Several years ago, Biology, Chemistry, and Physics/Astronomy did detailed planning for the new facilities,

thinking about how their programs will change and grow over time. Their departments have a head start on Computer Science, Math and Geosciences. The planning team includes Steve Wright and George Murphy (BIOL), Gayle Clark and Earl Pearson (CHEM), Chrisila Pettey and Richard Detmer (CSCI), Jim Henry and Ron Zawislak (GEOL), Jim Hart and Michael Chappell (MATH), Vic Montemayor and Robert Carlton (PHYS), Patti Miller (Campus Planning), Watson Hannah (Academic Affairs), Abdul Rao (Graduate Studies), and Diane Miller and Tom Cheatham (CBAS).



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<http://www.mtsu.edu/~collbas/newsletters>





The Basic B.E.S.T. (Boastful Educators Sharing Talents)

All departments are invited to submit items for this column

Agrribusiness/Agriscience

Harry Djunaidi has been selected to chair a special paper session at the 2006 Southern Agricultural Economic Association Annual Meetings in Orlando, Florida.

Warren Anderson received the Distinguished Service Award Certificate sponsored by TSU and UTK December 20 at the Murfreesboro Master Gardener meeting.



In December **John Haffner** lectured at the School of Veterinary Science and Biotechnology of the Mongolian State

University of Agriculture in Ulaanbaatar, Mongolia. The topics presented were equine lameness and equine gastrointestinal anatomy and disease.

Biology

Jeffrey Walck published a paper in the *Canadian Journal of Botany* entitled "Differences in Light and Temperature Responses Determine Autumn Versus Spring Germination for Seeds of *Schoenolirion Croceum*."

Vincent Cobb published a paper in the most recent issue of the *Canadian Field-Naturalist*.

Wayne Rosing published an article entitled "The Dangers of Household Molds" in the *Tennessee Conservationist*.

Last summer **Tom Hemmerly** presented a paper, "The Plant Nursery Industry in Warren County, Tennessee," and a poster, "Antibiotic and Allelopathic Effects of Leaf Extract From the Olive Tree," at the ninth International Congress of Ethnobiology at the University of Kent at Canterbury, UK. In collaboration with Carson-Newman University in East Tennessee and others, the MTSU Center for Environmental Education received a \$50K National Geographic grant to develop standards-based curriculum around the state's endemic eco systems such as cypress swamps and cedar glades. Curriculum will focus on 4-6 grades.

Computer Science

The Computer Science Department welcomes **Pat Abogado**, new secretary. Pat replaced Gwen Williams who now works at the MTSU library.

Engineering Technology and Industrial Studies

Please help me congratulate our Marathon team representatives and **David Hatfield** on placing fourth out of 34 teams in the Residential Construction Competition sponsored by the National Association of Homebuilders. The competition took place in Orlando the second week of January.



Mathematical Sciences

Rong Luo received a \$5K grant from NSF to support a conference he will host at MTSU in the fall.

Military Science

Congratulations to scholars! Twenty-six Army ROTC students received \$500 scholarships for earning a GPA of 3.0 and above. Rachael Schenk and Scott Singleton received \$1,000 scholarships for earning a 4.0 GPA!

Two high school students have already received Army ROTC four and three-year scholarships. These scholarships will begin in the Fall of 2005. High Scholarship interviews will continue through the spring semester. Full Scholarships await qualified students. This summer 28 DAYS OF PURE ADRENALINE await

qualified MTSU students without any ROTC training. Motivated students who will be juniors in the Fall of 2005 should contact the ROTC Department.

Nursing

Suzanne Prevost published a textbook chapter titled "Relieving Pain and Providing Comfort" in *Critical Care Nursing - A Holistic Approach, 8th edition*."

Lynn Parsons published "Spinal Cord Injury Nursing and Evidenced-Based Practice" in *SCI Nursing*, 21 (4), 192-193.

Chita Farrar published "Empowering Leadership Through Magnetism" in *SCI Nursing*, 21 (4), 210-221.

Lynn Parsons co-authored "Leadership and Management for Nursing Practice, [Ed. 2.1]."

Ken Edmisson was awarded the Navy Achievement Medal. Ken was department head for all providers at the Naval Hospital in Pensacola. **Ken Edmisson** was promoted to Lieutenant Commander (LCDR) in February 2004.

The following nurse faculty presented at the School of Nursing Teaching Strategies colloquia this past December: **Judy Campbell, Shelia Marquart, Lita Warise, Linda Wofford, Mary Jane Lavender** and **Barbara Draude**.

Eight FACES participants graduated in Fall 2004; Four FACES Fall 2004 graduates received full KAPLAN NCLEX review scholarships; **Maria Smith** taught ten Teen Living Classes (148 students) at Central Middle



School January 11-12; **Maria Smith** and **Rochelle Snelling Smith** attended a meeting at Central Middle School to orientate the new interim principal, Mr. William Shelton.



CBAS

Ray Phillips and TMSTEC staff hosted a successful grand opening of the Tennessee NASA Teacher Educator Resource Center (ERC) in December. The purpose of a NASA Educator Resource Center is to help teachers learn about and use NASA's educational resources. NASA has ERCs located in colleges, museums, planetariums and science centers across the country. "With MTSU's academic excellence and NASA's technological excellence, we've partnered to create a win-win situation," said Jim Pruitt, manager of the Academic Affairs Office at NASA's Marshall Space Flight Center. "This puts in motion something exciting for teachers, students and parents."

Teaching/Learning Seminars

(Held in CKNB 123
11:30-12:30)

February 16
March 16
April 120

Research Seminars

(Held in Todd 206
11:30-12:30)

February 8
March 15
April 12

Pizza and drinks provided.

Please register at <http://www.mtsu.edu/~collbas/events/seminars.html>.