etbu
EAST TEXAS BAPTIST UNIVERSITY

# The School of Natural and Social Sciences Newsletter

SCIENCES@ETBU.EDU FEBRUARY 2013

**SPECIAL POINTS OF INTEREST:**

- Graduate School Information.
- Research highlights
- Psi Chi
- Proof Seekers
- American Chemical Society
- Careers

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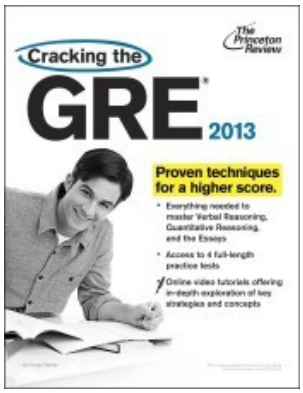
## Free GRE Prep Class!

**Free** GRE Prep Class:
Starting March 4 2013, on Monday evenings at 5:00-7:00 pm in Marshall Hall room 107.
Every Monday evening until April 29, 2013.

Let the office of Academic Success and Graduate Services know if you are interested in attending this class: GraduateServices@etbu.edu




**If you are interested in taking this prep course, please purchase The Princeton Review's Cracking the GRE 2013**

## Student Research Forum

The Student Research Forum for the School of Natural and Social Sciences will be

**Wednesday, April 24, at 10:00 a.m.**

In Woods and Cornish Great Room in Ornelas Student Center. At the forum, students will give presentations of their research projects and the school will distribute awards.

Presenting research to others looks impressive on a resume or vita, especially if you are considering earning a Master's degree or Ph.D. Ask your professor how to turn your research project paper into a poster or oral presentation.

# Master of Arts in Counseling

Dr. Gerald Nissley
Master of Arts in Counseling Program Director

**Do you want to make a difference? Do you want to serve others?**

***A career in counseling is a way. ETBU makes it possible.***

The Department of Behavioral Sciences at East Texas Baptist University offers a Master of Arts (MA) in Counseling. With academic rigor and holistic attention to the entire person of the counselor-in-training and professional practice, the program is designed to prepare you for practice in professional counseling in a variety of settings. Upon graduation from our program, you will be well-prepared to provide counseling services to others competently in addition to capabilities for other aspects of practice management and emerging professional trends.

For more information, e-mail:

MAC@etbu.edu

# Faculty Research

- Dr. Robert Benefield, *Professor of Psychology*

*"An Introduction to Restorative Practices and Peace Studies:*
*Training based on Biblical mandates, delivered using experiential learning strategies, and designed for community applications via service learning projects and internships"*

To view Dr. Benefield's presentation slides or to listen to a recording: go to www.etbu.edu—Academics—Center for Excellence in Christian Scholarship—Scholar's Forum

- Dr. Troy Ladine, *Professor of Biology*

*"Habitat Use of Peromyscus leucopus During a Long-Term Drought: Indications of Restriction of Habitat by a Generalist"*

Presenting at the TAS meeting at Schreiner University in Kerrville, TX on February 28, 2013.

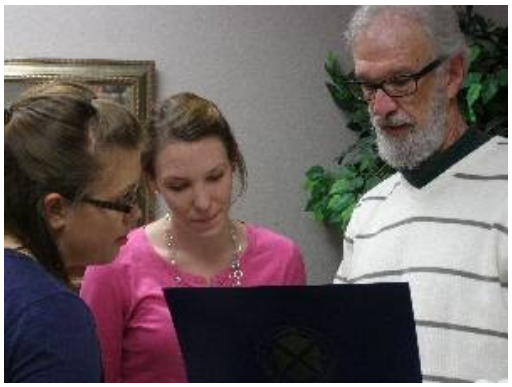
# Student Research

There are several students in the School of Natural and Social Sciences who are currently working on an Honors Project. These are the following students and the titles of their research projects:

- **Bethany Rosado** (Psychology Major- Pre-Professional Concentration): *"The Effects of Deep Muscle Relaxation and Study Skills Training on Test Anxiety and Academic Performance"*
- **Lya Swaner** (Biology Major– Human Biology Track)*"A review of the Literature Concerning the Need for Metabolic Water of the Genus Peromyscus"*
- **Melodie Blackmon** (Biology Major– Human Biology Track) *"Role of Pigment Epithelial Derived Factor in Metastic Prostate Cancer"*
- **Michelle Ray** (Chemistry Major) *"Road Kill and Mesocarnivores"*

# Behavioral Sciences

Information on many graduate schools that have programs in the fields of Psychology, Sociology and Criminal Justice can be found in the Behavioral Sciences office suite (Marshall Hall Suite 103). Stop by and pick up some brochures! Once you decide which schools you would like to attend, pick up the letter of recommendation forms to be completed by your professors. We can also assist you in deciding your specific area of study.



**In the Master of Arts in Counseling at ETBU, you will complete 48 credits in your graduate program. The program will prepare you to provide individual, family, and group counseling for addressing mental illnesses, life circumstances, career concerns, and other socioemotional concerns.**

# Natural Sciences

Biology

There are many excellent graduate programs in Texas and Louisiana that biology majors can attend to work on a graduate degree. It is important to find a graduate program and a professor that meets your research interests. Apply early so that you can qualify for scholarships. Please remember that space in most programs is limited.

Chemistry

There are several chemistry graduate programs you can attend, both in-state and out-of-state. Dr. Spencer attended the University of Denver to earn his Ph.D., while Dr. Briggle chose to earned his Ph.D. at the University of Texas at Austin.

Normally, universities will offer teaching or research assistantships or tuition wavers. Keep in mind though, that you want a program that not only offers good financial assistance, but one in which your research interests match those of the faculty. If you are interested in graduate school and chemistry, you are encouraged to talk to Dr. Spencer or Dr. Briggle for information and advice.

***Visit any department in the School of Natural and Social Sciences for more specific information on Graduate schools and careers.***

# Mathematics

Recent graduates with a major in Mathematics have gained employment as teachers in Texas public schools. These include Evan Beaton, Michael Netherland, Janna Duck, Lauren Yeargin, and Brooke Chapman. Haley Stamm Beaton is a financial advisor, and Kushal Hada is a software developer. Other graduates of ETBU are pursuing graduate studies at institutions including Boston University, Baylor University, and University of North Texas. For more information on careers in Mathematics, please see:

http://www.careercornerstone.org/math/math.htm.

**Dr. Marty Warren**
**Professor of Mathematics , and Chair of Mathematics department.**

# Criminal Justice

**Dr. George Day**
**Assistant Professor of Criminal Justice**

East Texas Baptist University offers a wide variety of choices for students interested in criminal justice and forensic science. Students interested in careers in law enforcement, corrections, or community supervision, along with those wishing to pursue an advanced degree in criminal justice, are able to earn a Bachelor of Science or Bachelor of Arts degree in Criminal Justice. Either criminal justice degree provides students with familiarity of all aspects of the criminal justice system with the opportunity to take courses specializing in their primary area of interest in the criminal justice career field. Combined with a minor in sociology, psychology, counseling, forensic science, political science, or Spanish; a criminal justice degree from ETBU prepares students for a career in criminal justice while making them marketable to potential employers.

The Forensic Science program at ETBU combines both natural and behavior sciences in the study of criminal behavior and public safety. Students are given the opportunity to engage a field of study that fits both their academic strengths and career goals. For those currently within public safety or those desiring a future career within this exciting field, this program provides the student with the investigative skills needed within a crime scene, a forensic laboratory, court litigation and determination of justice or other regulatory fields.

# Allied Health

The purposes of the **Allied Health** and Pre-professional Health Programs are:

(1) to provide a foundation
in the liberal arts for students who plan careers in the health fields;

(2) to satisfy the entrance requirements for
professional schools, particularly those in Texas;

(3) to satisfy the requirements for graduation at East Texas
Baptist University; and

(4) to fulfill the major requirements of those departments in which the majority of
these pre-professional students major.

The Allied Health program is designed to provide pre-professional education for those persons pursuing a career as a medical technologist requiring a baccalaureate program.

Please contact Dr. Catherine Cone with any questions regarding the health profession field of your choice.

Phone:
(903) 923-2247

E-mail:
jcone@etbu.edu

# Opportunities to Get Involved!

## Psi Chi

Psi Chi is the National Honor Society in Psychology

**Becoming a Member**

- Must be at least a second-semester sophomore
- Must be enrolled as a major or minor in a psychology program or a program psychological in nature that is equivalent to a psychology major
- Must have completed at least 9 semester hours
- Must have a psychology GPA that is at least 3.00 on a 4-point scale

## Proof Seekers Math Club

**Recent Events:**

- Proof seekers had a Valentine dinner and hosted the "Not So Newlywed Game." Participants: Dr. Marty Warren and husband Mark, Drs. Melissa and Kevin Reeves, and Dr. Steve Capehart and wife Betty Lou.

**Upcoming Events:**

- Pi Day– will be celebrated March 25, 2013. Free Moon Pies in the lobby of Bennett Student Commons 12:00 noon to 1:00 pm.
- Photography Scavenger Hunt – April 15, 2013. Teams will race to take photos of various mathematical shapes and figures around campus.
- April is Mathematics Awareness Month, created to increase public understanding of and appreciation for mathematics.

## American Chemical Society

**Recent Events:** February 11, 2013– Dr. Ken B. Anderson, PhD., Professor of Geology at Southern Illinois University spoke at Panola College. A group of students from ETBU attended

**Upcoming Events:**

- Dr. Troy Ladine will be taking a group of students to the Texas Academy of Science Annual Meeting Feb. 28—March 1 at Schreiner University.
- March 5, 2013, talk on Computational Chemistry. Angela K. Wilson, PhD., Regents Professor of Chemistry at UNT, speaker. ETBU Cornish Great Room, Ornelas Student Center, 7:00 pm. Coffee and Cookies provided.
- April 5, 2013, talk on forensic analytical techniques. George P. Cobb, PhD., Baylor University, speaker at Kilgore College.

# Spring Calendar of Events on Campus

**March 5.....Computational Chemistry talk on campus– Angela K. Wilson, PhD.**

**March 11-15.....Spring Break**

**March 18.....Registration for Fall 2013 begins**

**March 25.....Pi Day**

**April 15.....Photography Scavenger Hunt– Proof Seekers Math Club**

**April 24th .....Student Research Forum and Awards School of Natural & Social Sciences**

**April 29– May 2.....Final Exams**

**May 4.....Graduation**

# Possible Careers in the School of Natural and Social Sciences

**Psychology Major:** Career or vocational counselor, School Psychologist, Counselor, Engineering Psychologist, Clinical Psychologist, Sports Psychologist, Industrial-Organizational Psychologist.

**Sociology Major:** Human Services, Demographic Analyst, Gerontologist, Health Services, Public Health Statistician, Researcher, Social Scientist, Professor

**Child Development Major:** Child Care, Day Care, Education, Parent-Child Education, YMCA, Church Employment

**Criminal Justice Major:** Lawyer, Private Investigator, Police Officer, Federal Marshal, Forensic Analyst, Paralegal, Probation Officer, Corrections Officer, Victim Advocate

**Chemistry Major:** Analytical Chemist, Organic Chemist, Physical Chemist, Educator/ Professor, Chemical Engineer, Oil and Petroleum

**Biology Major:** Medical Field, Animal Science, Research, Microbiologist, Entomologist, Zoologist, Veterinarian, Marine Biologist

**Allied Health Major:** Athletic Training, Dental Hygiene, Medical Technology, Physician's Assistant, Radiography, Respiratory Therapy

**Mathematics Major:** Software Engineer, Operations Research Analyst, Banking, Educator, Cryptologist

**The Vision of the School of Natural and Social Sciences is to utilize the philosophy and methods of science to promote understanding of how the physical world is composed and related to the properties and behaviors of plant, animal, and human life. Students are challenged to integrate the logic of rational certainty with the logic of faith and conviction.**

etbu

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