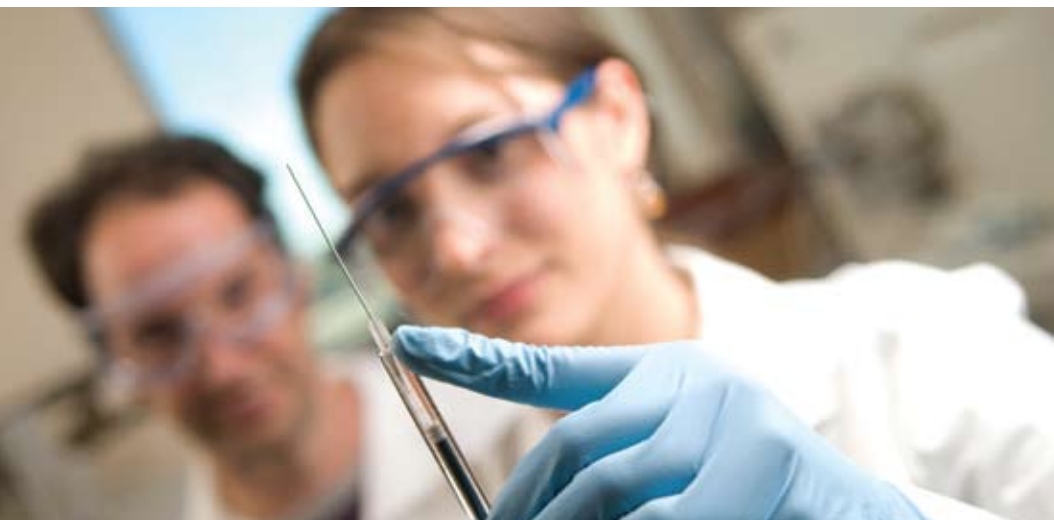


APPLICATION DEADLINE IS MARCH 31

- Applicants must be currently attending a two-year community college in Northeast Texas and interested in majoring in natural science, mathematics, computer science, or engineering.
- Each applicant should send a letter of intent summarizing their training background and area of research interest, official transcripts from the community college attended and a completed application to the following address: Texas A&M University-Commerce, Chemistry Department, REU Program, P.O.Box 3011, Commerce, TX 75429-3011.



MEET YOUR MENTORS

- Proteomics of the Cellular Membrane: Mass Spectrometry of Fragments Selectively Cut from Extracellular Membrane Proteins (Drs. Angel and Kostic)
- Characterization of supported Pd and promoted Pd catalysts with Non-thermal Plasma modifications (Dr. Jang and Dr. Overbury of the Oak Ridge N. Lab)
- The Development of Ionic Liquids Modified with Anion Recognition Sites (Drs. Starnes, Headley, and Ni)
- Ionic Liquid-Supported (ILS) Chiral Ligands and Their Applications as Homogeneous Catalysts for the Asymmetric Reactions (Drs. Ni & Headley)
- The Development of Porphyrin Based Anion Receptors and Study of their Recognition Properties Using Mass Spectroscopy (Drs. Starnes and Angel)
- Design and development of ionic liquid loaded supports (ILLS) for metals as heterogeneous catalysts (Drs. Jang, Ni and Headley)

WHERE ELSE CAN YOU INVEST IN YOUR CAREER IN CHEMISTRY AND SURFACE SCIENCE?



An early research experience is believed to be very valuable in the progress of students toward careers in technical disciplines. This program will be a valuable credential for any student planning a career in science related disciplines.

Our program is funded by the National Science Foundation, which is interested in promoting the continuing education of community college students in the fields of science, technology, engineering or math.



The main campus is located in Commerce, Tx about an hours drive east of Dallas



Funded by the National Science Foundation
REU Program • Department of Chemistry • Texas A&M University-Commerce
P.O. Box 3011 • Commerce, TX 75429-3011 • 903-886-5392



www.tamu-commerce.edu/chemistry/reu

WHERE ELSE CAN YOU BE PART OF A RESEARCH EXPERIENCE FOR UNDERGRADUATES IN CHEMISTRY FOR NORTHEAST TEXAS COMMUNITY COLLEGES



TEXAS A&M
UNIVERSITY
COMMERCE



WORK CLOSELY WITH MENTORS FOR HANDS ON EXPERIENCE WITH STATE OF THE ART INSTRUMENTATION

If you're passionate about research - and are a current community college student from Northeast Texas - Texas A&M University-Commerce's Research Experience for Undergraduates is for you. During this 10-week summer program, you'll have the opportunity to perform scientific research alongside faculty mentors and conduct an independent research project in the fields of chemistry or surface science.

Most of the research activities will take place in our \$28 million Science Building, which is equipped with state-of-the-art instrumentation for research, such as:

- Varian 400 MHz NMR Spectrometer
- X-ray Photoelectron Spectrometer
- IM-Q-TOF Mass Spectrometer
- UV-Visible Spectrophotometers
- High Performance Chromatography
- TA Thermal Analysis Equipments

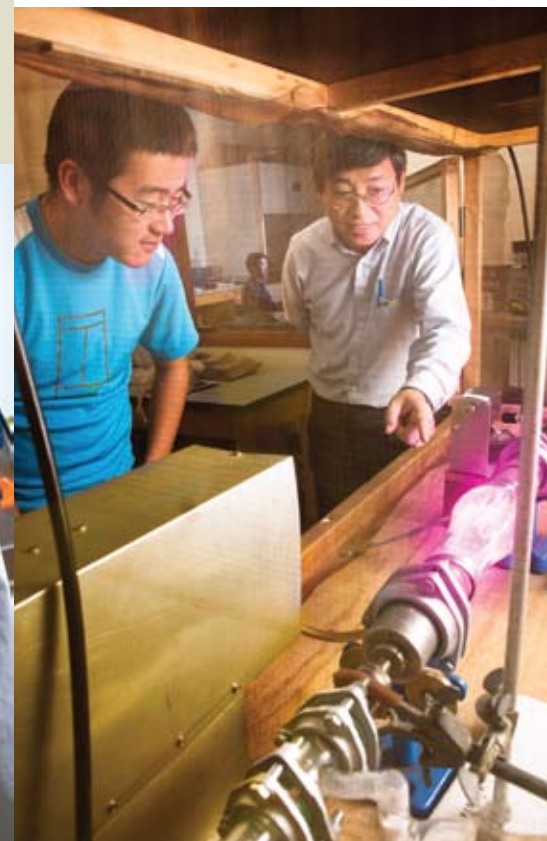


TRAINING, RESEARCH AND FIELD TRIPS

You'll spend your first week building research skills: searching library databases, recording scientific results, analyzing research data and writing progress reports. Then you'll be paired with a faculty research mentor for more advanced research training, development of a short research proposal and completion of the research project.

In addition, you'll also get to take field trips to industrial and academic research laboratories in the Dallas-Fort Worth area.

The summer research program kicks off June 3 and concludes Aug. 7, 2009. All applicants must be willing to commit to the entire 10-week program and participate in all of the planned activities. Each student will receive \$4000 stipend. Housing, tuition of a 3-hr course, and supplies will be provided. Students will reside in the New Pride Apartments, located on the A&M-Commerce campus next to the Science Building and Morris Recreation Center.



RECREATIONAL AND SOCIAL ACTIVITIES

Every researcher needs a break every now and then. So when you need a break, you can let off steam at the Morris Recreation Center, or hang out at the Memorial Student Center and check out the pool tables, video games and dining facilities.

And you'll have plenty of time to get to know your fellow researchers and current A&M-Commerce students during organized activities such as picnics and fun weekend trips.



SCHEDULE

- | | |
|-----------|--|
| Week 1 | Move in and program orientation. Research introduction and matching with faculty mentors |
| Week 2-10 | Research with faculty mentors. Presentation and writing skill workshops |
| Week 4 | First field trip |
| Week 7 | Second field trip |
| Week 10 | Completion of project reports, presentation at research symposium. |

Presentations at Professional meetings with REU travel support are greatly encouraged after the 10-week program