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TEXAS A&M  
UNIVERSITY  
COMMERCE

*Chemistry*



## Program SCHEDULE

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.

### WEEK 1

Move in, program orientation, research introduction and pairing with faculty mentors

### WEEKS 2-10

Research with faculty mentors, writing and presentation skill workshops

### WEEKS 4 & 7

Field trips to academic and industrial research laboratories in the Dallas-Fort Worth area

### WEEK 10

Completion of project reports, presentation at the final symposium. Presentations at professional meetings with REU travel support are greatly encouraged.



## STATE-OF-THE-ART instrumentation

is one highlight of our science program. Most research is conducted in our \$28 million Keith D. McFarland science building, a cutting-edge facility.

IM-Q-TOF Mass Spectrometer

UV-Visible Spectrometers

FT-IR Spectrometers


Gas Chromatography


Thermal Analysis Equipment


Varian 400 MHz NMR Spectrometer


High Performance Liquid Chromatography


## Example RESEARCH PROJECTS

 Ion mobility-mass spectrometry: Investigating the interactions and conformations of protein complexes

 Synthesis, characterization and reaction of supported metal catalysts for energy and environmental applications

 Chiral porphyrins: The development of sensors for chiral anions

 Ionic liquid-supported (ILS) chiral ligands and their applications as homogenous catalysts for asymmetric reactions

 Asymmetric Reactions Catalyzed by Chiral Copper(II) Complexes

**E**arly research experience is essential in the progress of students planning a career in science-related disciplines. During this 10-week summer program, you'll have the opportunity to perform scientific research alongside faculty mentors and conduct an independent chemistry research project.

## Recreational 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 Rayburn Student Center and check out the pool tables, video games and dining facilities. 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.



Funded by the National Science Foundation

## BENEFITS

Each student will receive a \$4,500 stipend. Housing and research supplies will be provided. Students will reside in the New Pride Apartments, conveniently located on the A&M-Commerce campus next to the Science Building and Morris Recreation Center.

## REQUIREMENTS

All applicants must be willing to commit to the entire 10-week program and participate in all of the planned activities. Applicants who are currently attending a two-year community college in Northeast Texas or bordering states and interested in majoring in chemistry and chemistry-related disciplines are highly preferable.

## APPLICATION

Each applicant should send the following to [Chem.REU@tamuc.edu](mailto:Chem.REU@tamuc.edu):

**Letter of intent** summarizing their training background and area of research interest

**Official transcripts** from the community college attended

**Completed application** found on our website

### PROGRAM KICKS OFF:

**1<sup>st</sup> day of  
summer term**  
(typically in early June)

### APPLICATION DEADLINE:

**1<sup>st</sup> Friday  
in March**