

Research Scholarships

Experiential learning such as undergraduate research can give students a transformational educational experience. Our research scholarship program supports this engagement, whereby undergraduates who perform research with a faculty mentor can receive \$1,000 (fall or spring) or \$2,000 (summer) upon completion of their research project. In the 2017-2018 academic year, 31 students were funded by the Office of Undergraduate Research, led by **Dr. Thomas Coyle**.

SPRING 2018

Estefania Barajas

Architecture

The City of San Antonio Climate Action and Adaptation Plan

Mentor: Hazem Rashed-Ali

Jetty Crittenden

Actuarial Science

Daily Temperatures (high and low) in San Antonio since March 1885

Mentor: Jerome Keating

Kassandra Gonzalez

Kinesiology

The effects of maternal obesity and exercise on pregnancy outcomes, fetal development, and offspring health

Mentor: Eunhee Chung

Joshua Guerra

Public Health

Examination of the Intraprofessional Stigma Towards Treatment Modalities of Substance Use Disorders

Mentor: Erin Madden

Kristine Harrigan

Economics

Better Investment Strategies for Retirees

Mentor: Don Lien

Ayesha Meghani

Public Administration

Sexual Assault on College Campuses & Analysis of University Policies

Mentor: Patricia Jaramillo

Andrea Mertins

Civil/Environmental

Engineering

The role of quorum sensing in the development of M. aeruginosa blooms

Mentor: Heather Shipley

Farrin Moreno

Communication

Exclusive Human Milk Diets Post-NICU-Understanding Premie Parents' Choices

Mentor: Stacey Passalacqua

Amanda Mosley

Public Administration

Sexual Assault

Mentor: Patricia Jaramillo

Tiffany Nguyen

Biology

Regulation of gene expression in B. burgdorferi

Mentor: Janakiram Seshu

Emmanuel Nyong

Microbiology & Immunology

Recovery of Shiga Toxin Bacteriophage positive Lysogens in the human pathogen Escherichia coli O157:H7

Mentor: Mark Eppinger

Victor Palos

Mechanical Engineering

Correlation of surface oxide film and cracking for supermartensitic 13 Cr for downhole conditions

Mentor: Brendy Rincon

Troconis

Alejandra Teran

Chemical Engineering

Production of Chemical Feedstocks from Biomass Using Heterogeneous Catalysis

Mentor: Gary Jacobs

Luis Victoria

Architecture

Learning the history of San Antonio Missions through 3D built models: How the church of San Antonio de Valero changed to the Alamo

Mentor: Angela Lombardi

Yesenia Yanez

Psychology & Statistics

Fear of Negative Evaluation on Facebook: A Predicting Variable of the Perception of Identity Conflict

Mentor: David Pillow

FALL 2017

Sarah Altman

Chemistry

Structure Based Drug Design, Synthesis and Evaluation of New Antischistosomal Agents

Mentor: Stanton McHardy

Salvatore Campise

Kinesiology

Effects of Obesity on Skeletal Muscle Fiber Type

Mentor: Eunhee Chung

Andrew Dereglia

Psychology

Mindfulness in the Workplace

Mentor: Meghan Thornton-Lugo

Joseph Galloway

Mechanical Engineering

Mechanics and Control of Pumping a Playground Swing and Robotic Implementation

Mentor: Pranav Bhounsule

Ray Hagimoto

Physics

An analysis of spectral properties of crystalline atomic clusters

Mentor: Kathryn Mayer

Herta Montoya

Civil Engineering

Cyber Attacks on Water Systems: Identification, Detection, and Mitigation

Mentor: Marcio Giacomoni

Sarah Rodgers

Civil Engineering

Acceptable Elongations and Low Cycle Fatigue Performance for High Strength Reinforcing Bars

Mentor: Wassim Ghannoum

The Office of Undergraduate Research received a record number of applications from a variety of disciplines and colleges for the program this year. Congratulations Roadrunners!

SUMMER 2018

Jessica Guadalupe Alonso

Biology

Osteopontin and its role in chlamydial infections

Mentor: Rishein Gupta

Brittany Haywood

Education

Expressing Imagination and Creativity Through Writing

Mentor: Misty Sailors

Peggy Wall

Anthropology

House orientation at the Sanchez site in Southeastern Arizona, AD 200-550

Mentor: Robert Hard

Jack Duncan

Economics

A Study of Cyber Insurance Markets

Mentor: Donald Lien

Victoria Gudkova

Economics

Tax Exempt for Hospitals

Mentor: Donald Lien

Amanda Flores

Physics

Magnetic Nanostructures with unique spin configurations for innovative diagnostics techniques

Mentor: Carlos Monton

Gabriela Martinez

Biomedical Engineering

Production of ECM in the Absence of Laminin a4

Mentor: Eric Brey

Tiffany Vargas

Architecture

Edge Cities Redux

Mentor: Ian Caine

John Saldana

English

Visual Rhetoric as Network: Using Wearable Devices to Produce Visual Displays of Numerical Data on Pollution That Are More Interactive and Persuasive

Mentor: Sue Hum