

Honors Independent Projects (formerly called Senior Projects)
(Alphabetical by Student Name)
(As of, and includes, Fall 2023, December 8, 2023)

Note: The first Honors College Senior Projects were presented by those graduating in Spring 2013. It is a requirement for all subsequent seniors.

Acevedo, Brissa (Chemical Engineering)
Renewable Energy: Climate Change Mitigation
Project Faculty Advisor: Dr. Nirmal Goswami
Presented: Honors College Symposium, November 19, 2022 (Presented Early)
Graduated: Spring 2023, May 12, 2023

Agbonika, Itohan (Natural Gas Engineering)
Unified Fracture Design for Unconventional Reservoirs
Project Faculty Advisor: Dr. Alberto Lopez Manriquez
Presented: Honors College Symposium, November 23, 2019
Graduated: Fall 2019, December 13, 2019

Aguirre, Isabella (Environmental Engineering)
Automatic Blowdown Controller – Water Treatment Management
Project Faculty Advisor: Dr. Breanna Bailey
Presented: Honors College Symposium, April 30, 2016
Graduated: Spring 2016, May 13, 2016

Alagbe, Tomisin (Geology)
An Integrated Geological and Geophysical Investigation of a Petroleum-Rich Reservoir,
South Texas
Project Faculty Advisor: Dr. Robert Schneider
Presented: Honors College Symposium, April 27, 2018
Graduated: Spring 2018, May 18, 2018

Alaskari, Al Muntaser (Biomedical Sciences)
Alcohol Addiction and Its Impact on Human Body
Project Faculty Advisor: Dr. Sohel Quazi
Presented: Honors College Symposium, April 30, 2016
Graduated: Spring 2016, May 13, 2016

Alba, Beatriz (Betty) (Architectural Engineering)
Earthquake Engineering: Three-story Building Structural Analysis
Project Faculty Advisors: Dr. Breanna Bailey and Dr. Francisco Aguiñiga
Presented: Honors College Symposium, April 8, 2017
Graduated: Spring 2017, May 12, 2017

- Alfaro, Daniel (Civil Engineering)
TXDOT Summer Internship
Project Faculty Advisor: Dr. Mohammed Faruqi
Presented: Honors College Symposium, November 19, 2022 (Presented Early)
Graduated: Spring 2023, May 12, 2023
- Ali, Jihad (Biomedical Sciences)
Human Nicotinic Acetylcholine Receptor $\alpha 4/\beta 2$ Chimeric Subunit Expressed
in *Xenopus Laevis* Oocytes
Project Faculty Advisor: Dr. Ayman K. Hamouda (Irma Lerma Rangel School of
Pharmacy)
Presented: Honors College Symposium, July 18, 2016 (presented early)
Graduated: Fall 2016, December 9, 2016
- Almazan, Alexandria (Animal Science)
The Potential in Utilizing Predacious Fungi as a Means of Control in Gastrointestinal
Nematode Infections in Ruminants
Project Faculty Advisor: Dr. Randy Stanko
Presented Honors College Symposium, November 4, 2017
Graduated: Fall 2017, December 15, 2017
- Alsop, Carson (Environmental Engineering)
Ammonia Recovery from Wastewater for Reuse as a Fertilizer Additive
Project Faculty Advisor: Dr. Lucy Camacho
Presented: Honors College Symposium, April 30, 2016
Graduated: Spring 2016, May 13, 2016
- Ambriz, Brittany (Communication Sciences and Disorders, and Sociology - Dual Majors)
Speech and Language Techniques in Early Childhood
Project Faculty Advisor: Dr. Alan Seitel
Presented: Honors College Symposium, April 26, 2014
Graduated: Spring 2014, May 9, 2014
- Ambriz, Jamie Alexandria (Kinesiology - Exercise Science)
A Randomized Crossover Trial Comparing the Effects of Resistance Exercise to Aerobic
Exercise on Cognitive Processing Speed in Young Adults
Project Advisor: Dr. Amber Shipherd
Presented: Honors College Symposium, April 9, 2022
Graduated: Spring 2022, May 13, 2022
- Angelico, Lindsey (Kinesiology)
The Effects of Myofascial Release on a Variety of Injuries and Pain Condition,
Both Chronic and Acute
Project Faculty Advisor: Dr. Amber Shipherd
Presented: Honor College Symposium, November 3, 2018 (presented early)
Graduated: Spring 2019, May 17, 2019

Applewhite, Khrisgina (Biomedical Sciences)

Slave Medicine

Project Faculty Advisor: Dr. Dean Ferguson

Presented: Through Blackboard Collaborate on April 9, 2020

Graduated: Spring 2020, May 12, 2020

Arellano, Clarissa L. (Chemical Engineering)

Citgo Project: Injection of a Heavy Mole Weighted Gas to Prevent Compressor Surge

Project Faculty Advisor: Dr. Matthew Alexander

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Arvizu, Cecilia (Social Work)

CASA Internship

Project Advisor: Professor Crystal Garcia

Presented: Honors College Symposium, May 2, 2022

Graduated: Spring 2022, May 13, 2022

Ayala, Andrew C. (Biomedical Sciences)

Literature Review: Effects of Competition on Antibiotic Resistant Bacteria

Project Faculty Advisor: Dr. Richard Laughlin

Presented: Through Blackboard Collaborate on April 13, 2020

Graduated: Spring 2020, May 12, 2020

Balderas, Joseph (Mathematics)

Exploring Different Algorithms for Computing Nash Equilibria

Project Faculty Advisor: Dr. Aden Ahmed

Presented: Through Blackboard Collaborate on November 13, 2020

Graduated: Fall 2020, December 9, 2020

Balderas, Olivia (Chemical Engineering)

Propylene to Isopropanol

Project Advisor: Dr. Matthew Alexander

Presented: Honors College Symposium, April 9, 2022

Graduated: Spring 2022, May 13, 2022

Balogh, Jina (Civil Engineering)

Aeration & Beautification of Dick Kleberg Park

Project Faculty Advisor: Dr. Pat Leelani

Presented: Honors College Symposium, April 26, 2014

Graduated: Spring 2014, May 9, 2014

Balzen, Cody (Chemical Engineering)

Natural Gas Sweetening

Project Faculty Advisor: Dr. Carl David Murphy

Presented: Honors College Symposium, April 26, 2014

Graduated: Spring 2014, May 9, 2014

Banks, Deshawn (Biomedical Sciences)

Excitotoxin Induced Aggregation of Polyglutamine (Poly Q) in Drosophila (Fruit Flies)

Project Faculty Advisor: Dr. Rudolf Bohm

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Barboza, Illiana I. (Criminology)

The Effectiveness of Specialized Treatment Programs for Detained Juveniles in Texas

Project Faculty Advisor: Dr. Barbara Cooke

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Barker, Cody (Geology)

Interpreting Well Cores from the Llano Uplift

Project Faculty Advisor: Dr. Thomas McGehee

Presented: Honors College Symposium, April 22, 2013

Graduated: Spring 2013, May 10, 2013

Barrera, David (Political Science and History - Dual Major)

The Seasonal Variation in Crime

Project Faculty Advisor: Dr. Travis Braidwood

Presented: Honors College Symposium, November 4, 2017

Graduated: Fall 2017, December 15, 2017

Barrera, Melanie (Chemical Engineering)

An Industry Analysis of Continuing Education Programs

Faculty Project Advisor: Sue Nichols

Presented: Honors College Symposium, July 12, 2019

Graduated: Summer 2019, August 9, 2019

Barrera, Regina (Architectural Engineering)

Architectural and Engineering Documentation of Historic Buildings and Sites

Project Advisor: Professor James J. Glusing

Presented: Honors College Symposium, April 9, 2022

Graduated: Spring 2022, May 13, 2022

- Barrow, Steven Wyatt (Mechanical Engineering)
Design and Selection Process of Aluminum Forms for an Unmanned Aerial Vehicle
Project Faculty Advisor: Dr. Selahattin Ozcelik
Presented: Through Blackboard Collaborate on April 7, 2020
Graduated: Spring 2020, May 12, 2020
- Beers, Sarah (Geology)
Evidence of Precambrian Organic-rich Shales in a Granitic Pegmatite,
Llano County, Texas
Project Faculty Advisor: Dr. Mark T. Ford
Presented: Honors College Symposium, May 2, 2015
Graduated: Spring 2015, May 15, 2015
- Belew, Mark (Biology)
Obtaining Venom for NNTRC Experiments
Project Faculty Advisor: Dr. Elda Sanchez
Presented: Honors College Symposium, November 23, 2019
Graduated: Fall 2019, December 13, 2019
- Betancourt, Ixchel (Music Education with Teaching Certification and Music Performance–Jazz –
Dual Majors)
Jazz: The Mother of Hip Hop - How One Genre Inspired Another
Project Advisor: Dr. Thomas Ziinniger
Presented: Honors College Symposium, November 13, 2021 (presented early)
Graduated: Spring 2022, May 13, 2022
- Bhakta, Snehaben (Electrical Engineering)
Citgo Automatic Blowdown Controller
Project Faculty Advisor: Dr. Breanna Bailey
Presented: Honors College Symposium, April 30, 2016
Graduated: Spring 2016, May 13, 2016
- Bhakta, Sonam (Biomedical Sciences)
Identification of the Down and Out Gene Transcriptional Start Site
Project Faculty Advisor: Dr. Enrique Massa
Presented: Honors College Symposium, April 22, 2013
Graduation: Spring 2013, May 10, 2013
- Bhakta, Yash (Chemical Engineering)
Production of Ethyl Acetate Economics
Project Faculty Advisor: Dr. Matthew L. Alexander
Presented: Honors College Symposium, July 27, 2018
Graduated: Summer 2018, August 10, 2018

Blankenship, Devon (Criminology)

Law Enforcement and Civilian Relationship, Differences, and Interactions

Project Faculty Advisor: Dr. William McClendon

Presented: Honors College Symposium, November 19, 2022 (Presented Early)

Graduated: Spring 2023, May 12, 2023

Boniface, Megan (Biomedical Sciences)

Conceptualizing Disabilities: Exploring Ethnic Differences in the Perception and Attitudes of Disabilities

Project Faculty Advisor: Dr. Christine Reiser Robbins

Presented: Honors College Symposium, November 11, 2017

Graduated: Fall 2017, December 15, 2017

Boudreaux, Ameer (Biomedical Sciences)

Procyon Lotor Microbiome Isolates in Antibiotic Resistance

Project Faculty Advisor: Dr. Richard Laughlin

Presented: Through Blackboard Collaborate on March 24, 2021

Graduated: Spring 2021, May 7, 2021

Brady, Rebecca (English with Teaching Certification)

The Fetishization of Innocence Depicted in the Female Image: A Comparative Analysis of Robert Browning's "My Last Duchess" and Angela Carter's "The Bloody Chamber"

Project Advisor: Dr. Pamela Wright

Presented: Honors College Symposium, November 13, 2021 (presented early)

Graduated: Spring 2022, May 13, 2022

Bragg, Courtney (Chemical Engineering)

Citgo Capstone – Unibon Recycle Gas Injection Option

Faculty Project Faculty Advisor: Dr. Matthew Alexander

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Brock, Samantha (Chemistry)

Chemistry in Secondary Education

Project Faculty Advisor: Dr. Mauro Castro

Presented: Honors College Symposium, November 23, 2019

Graduated: Fall 2019, December 13, 2019

Brooks, Emily (Interdisciplinary Studies)

Effective Reading Instructional Strategies for Students with Learning Disabilities

Project Faculty Advisor: Dr. Monica Wong-Ratcliff

Presented: Honors College Symposium, May 1, 2017

Graduated: Spring 2017, May 12, 2017

Brooks, Sophia (Biology with Teaching Certification)

Learning through a Pandemic: An Analysis of Education

Project Faculty Advisor: Dr. Cynthia Flores

Presented: Honors College Symposium, November 13, 2021

Graduated: Fall 2021, December 10, 2021

Brou, François (Finance)

Continental and National Differences in the Financial Ratios of Investment Banking Companies: An Application of the Altman Z Model

Project Faculty Advisor: Dr. Thomas Krueger

Presented: Honors College Symposium, November 21, 2015

Graduated: Fall 2015 - December, 11, 2015

Broussard, Emma (Animal Science)

Analysis of Feed Concentrates Used for Ruminants, Monogastrics, and Pseudo-ruminants

Project Faculty Advisor: Dr. Natasha Bell

Presented: Honors College Symposium, July 27, 2018

Graduated: Summer 2018, August 10, 2018

Brown, Kelsey (Kinesiology)

Student Perceptions: Does the P.E. Teacher Portray a Positive Role Model for Students to be Physically Active and Lead a Healthy Lifestyle?

Project Faculty Advisor: Dr. Lorraine Killion

Presented: Honors College Symposium, November 22, 2014 (presented early)

Graduated: Spring 2015, May 15, 2015

Brown, Nicholas (Nick) (History and Political Science – Dual Majors)

"Convinced of a Vast Conspiracy:" Richard Burtzell, Michael Corrigan, and the Ideological Battle for Catholicism

Project Faculty Advisor: Dr. Ian Aebel

Presented: Honors College Symposium, May 2, 2015

Graduated: Spring 2015, May 15, 2015

Browning, Kristian L. (Communication Sciences and Disorders)

Speech and Language Disorders in Children with Spina Bifida

Project Faculty Advisor: Dr. Zack Watson

Presented: Honors College Symposium, April 22, 2013

Graduated: Spring 2013, May 10, 2013

Bryan, Charmin (Communication Sciences and Disorders)

Measuring the Efficacy of Auditory Verbal Therapy in Children with Hearing Loss

Project Faculty Advisor: Dr. Angel Ball

Presented: Honors College Symposium, April 8, 2017

Graduated: Spring 2017, May 12, 2017

Bullion, Michael (Civil Engineering)

TxDOT – Internship Experience

Project Faculty Advisor: Dr. Fouzieh Rouzmehr

Presented: October 7, 2023

Graduated: Fall 2023, December 8, 2023

Bustamante, Amanda (Mechanical Engineering)

Impact of Internships: The Ramifications toward Engineering Students' Success

Project Faculty Advisor: Dr. Sangsoo Le

Presented: Honors College Symposium, November 27, 2016

Graduated: Fall 2016, December 9, 2016

Cantu, Michael (Chemical Engineering)

Creating Intercellular Hierarchy through Stem Cell Data

Project Faculty Advisor: Dr. Nazmul Rahmani

Presented: Honors College Symposium, November 23, 2019 (presented early)

Graduated: Spring 2020, May 12, 2020

Cardona, Eric (Biomedical Sciences)

Effects of Outlet Artery Length Variations on Simulated Aneurysm Hemodynamics

Project Faculty Advisor: Dr. Simona Hodis

Presented: Honors College Symposium, April 27, 2019

Graduated: Spring 2019, May 17, 2019

Carrillo, Nora I. (Animal Science)

Learning Module on the Human-Animal Bond and Assistance Animals

Project Faculty Advisor: Dr. Jason Apple

Presented: Through Blackboard Collaborate on July 24, 2020

Graduated: Summer 2020, August 4, 2020

Castro, Alexis (Biomedical Sciences)

Diabetes Risk Management and Drug Therapies

Project Faculty Advisor: Dr. Joan Everett-Houser

Presented: Honors College Symposium, May 2, 2015

Graduated: Spring 2015, May 15, 2015

Cavazos, Arlene (Marketing)

Impact of Social Media on Consumer Behavior

Project Faculty Advisor: Dr. John Cicala

Presented: Honors College Symposium, April 27, 2019

Graduated: Spring 2018, May 17, 2018

Cavazos, Omar (Mechanical Engineering)

Intraocular Pressure Sensor

Project Faculty Advisor: Dr. Choongbae Park

Presented: Honors College Symposium, November, 4, 2017 (presented early)

Graduated: Spring 2018, May 18, 2018

Chapa, Benjamin (Geology)

Mapping Fractures at TAMUK

Project Advisor: Dr. Veronica Sanchez

Presented: Honors College Symposium, April 1, 2023

Graduated: Spring 2023, May 12, 2023

Chapa, Roxanne (Communication Sciences and Disorders)

Velopharyngeal Closure Importance and the Differences in Normal Plates and Cleft Palates

Project Faculty Advisor: Dr. Lakshmi Kollara Sunil

Presented: Honors College Symposium, April 29, 2019

Graduated: Spring 2019, May 17, 2019

Chapa, Jr., Jaime Miguel (Psychology)

Possible World Semantics & Conceptual Acrobatics: Narrowing the Explanatory Gap of Consciousness

Project Faculty Advisor: Dr. Jeff Glick

Presented: Honors College Symposium, November 19, 2016

Graduated: Fall 2016, December 9, 2016

Chavarria, Jorge (Animal Science)

Leptin Influences Angiogenic Hormone Expression in Adipose Tissue

Project Faculty Advisor: Dr. Michelle Garcia

Presented: Honors College Symposium, April 27, 2018

Graduated: Spring 2018, May 18, 2018

Chavez, Michael (Accounting)

The Impact of COVID-19 on Supply Chains

Project Faculty Advisor: Dr. Francisco Haces-Fernandez

Presented: Through Blackboard Collaborate on November 11, 2020

Graduated: Fall 2020, December 9, 2020

Chi, Benjamin (Chemistry)

Decarboxylative Sonogashira Coupling with Diazonium Salts: A Novel Aryl Coupling reaction

Project Faculty Advisor: Dr. Jason Abrams

Presented: Honors College Symposium, April 27, 2019

Graduated: Spring 2019, May 17, 2019

Chi, Crystal (Chemistry)

NSF-REU Summer Research: Clarkson University and Texas A&M University

Project Faculty Advisor: Dr. Mauro Castro

Presented: Through Blackboard Collaborate on April 3, 2020

Graduated: Spring 2020, May 12, 2020

Chukwu, Gladden Nkesi (Chemical Engineering and Mathematics – Double Degrees – different colleges)

Production of Ethylene Glycol

Project Faculty Advisor: Dr. Matthew Alexander

Presented: Honors College Symposium, April 27, 2019 (presented early)

Graduated: Fall 2019, December 13, 2019

Church, Victoria (Psychology)

Seven Deadly Sins: To What Extent is a Vice Condemned?

Project Faculty Advisor: Dr. Richard L. Miller

Presented: Honors College Symposium, December 10, 2014

Graduated: Fall 2014, December 12, 2014

Cissna, Sydnee (Marketing)

Water Resource Management Issues: Characterization of the Nueces River Watershed

Project Faculty Advisor: Dr. Benjamin Turner

Presented: Honors College Symposium, November 4, 2017

Graduated: Fall 2017, December 15, 2017

Clancy, Elizabeth (Mechanical Engineering)

The Process of a City Project

Project Faculty Advisor: Dr. Larry Peel

Presented: Honors College Symposium, May 2, 2015

Graduated: Spring 2015, May 15, 2015

Cortez, Coryfrancis (Communication Sciences and Disorder, and Psychology – Dual Majors)

Comparing Brain Lesions and Word-Level Writing in Two Individuals with Global Aphasia

Project Faculty Advisor: Dr. Angel Ball

Presented: Honors College Symposium, April 26, 2014

Graduated: Spring 2014, May 9, 2014

Cortez, Jr., Jose (Joey) (Range and Wildlife Management)

Effect of Grazing and Soil types on Forb Production in South Texas

Project Faculty Advisor: Dr. Alfonso Ortega-Santos

Presented: Honors College Symposium, November 4, 2017 (presented early)

Graduated: Spring 2018, May 18, 2018

- Costley, Talitha (Civil Engineering)
Transforming Kingsville in 15 Years – Rangel Park
Project Faculty Advisor: Dr. Pat Leelani
Presented: Honors College Symposium, April 26, 2014
Graduated: Spring 2014, May 9, 2014
- Cruces, Saul (Mechanical Engineering)
Safety Methodologies for a Counter Balanced Hydraulic Pumping Unit
Industry Advisor: Dr. Chris Cox
Project Faculty Advisor: Professor Daniel Wright
Presented: Honors College Symposium, May 2, 2015
Graduated: Spring 2015, May 15, 2015
- Cruz, Elisa (Biomedical Sciences and Chemistry – Dual Majors)
Promoter Analysis of the gRICH70 Gene: Deletion of Sp1, a Phylogenetically Conserved Element
Project Faculty Advisor: Dr. Rafael Perez-Ballesteros
Presented: Honors College Symposium, May 2, 2015
Graduated: Spring 2015, May 15, 2015
- Cruz, Melissa (Biomedical Sciences)
Design of a CRISPR Epitope Tag Knock-in into Pumilio
Project Advisor: Dr. Rudolf Bohm
Presented: Honors College Symposium, April 9, 2022
Graduated: Spring 2022, May 13, 2022
- Cruz Mendoza, Mariée (Industrial Management and Applied Engineering Technology)
Investigation of Sea Water Salinity Variation and Its Correlation with Wave Energy Behavior in the Gulf of Mexico
Project Faculty Advisor: Dr. Hua Li
Presented: Honors College Symposium, November 3, 2018 (presented early)
Graduated: Spring 2019, May 17, 2019
- Cuellar, Ricardo (Mechanical Engineering)
Engineering in Public Utilities
Project Faculty Advisor: Dr. Rajashekar Mogiligidda
Presented: Through Blackboard Collaborate on March 25, 2021
Graduated: Spring 2021, May 7, 2021
- Darr, Brandon (Architectural Engineering)
Engineering Challenges in a Third World Country
Project Faculty Advisor: Dr. Stephan Nix
Presented: Honors College Symposium, November 19, 2016 (presented early)
Graduated: Spring 2017, May 12, 2017

Davis, Megan (Biomedical Sciences)

The Microbiome of *Drosophila melanogaster*

Project Faculty Advisor: Dr. Maria Velez-Hernandez

Presented: Through Blackboard Collaborate on April 7, 2020

Graduated: Spring 2020, May 12, 2020

Davison, Su-Yin P. (Animal Science)

Animals and National Identity: How Bhutan Explains Life

Project Faculty Advisor: Dr. Nirmal Goswami

Presented: Through Blackboard Collaborate on April 6, 2020

Graduated: Spring 2020, May 12, 2020

De Angeli, Kevin (Mathematics)

Programming the Perfect Nim AI Player: A Comparison between a Reinforcement Learning Algorithm and a Genetic Algorithm

Project Faculty Advisor: Dr. Aden Ahmed

Presented: Honors College Symposium, April 27, 2019

Graduated: Spring 2019, May 17, 2019

De La Garza, Miranda (Environmental Engineering)

Background Characterization and Isotope Additives for Increased Proliferation

Project Faculty Advisor: Dr. Lucy Camacho

Presented: Honors College Symposium, November 23, 2019

Graduated: Fall 2019, December 13, 2019

De La Paz, Reina (Chemistry)

Systemic Effects of Hemorrhagic Snake Venom: Exploration into the Degradome of Plasma Proteins

Project Faculty Advisor: Dr. Elda Sanchez

Presented: Honors College Singular Symposium, June 27, 2022

Graduated: Summer 2022, August 12, 2022

De Los Santos, Christopher (Chemical Engineering)

Thio-Bromo Click Reactions

Project Faculty Advisor: Dr. Christopher E. Hobbs

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

De Los Santos, Mariah A. (Criminology)

The Use of Acupuncture, a Traditional Chinese Healing Practice, in the U.S.

Project Faculty Advisor: Dr. Christine Reiser Robbins

Presented: Through Blackboard Collaborate on April 13, 2020

Graduated: Spring 2020, May 12, 2020

De Urioste, Daniela (Dani) (Political Science and History – Dual Majors)
Incorporating Sustainability Principles into Early Childhood Education:
Lessons from Bhutan

Project Faculty Advisor: Dr. Nirmal Goswami

Presented: Honors College Symposium, August 1, 2013

Graduated: Summer 2013, August 10, 2013

DeFrees, Amanda (Communications)

The Evolution of Media

Project Faculty Advisor: Dr. Nicole Morris

Presented: Through Zoom on July 19, 2021

Graduated: Summer 2021, August 6, 2021

Deyhim, Niaz (Biomedical Sciences)

Pharmacogenomic Treatment of Neuropsychiatric Illnesses and Disorders

Project Faculty Advisor: Dr. Elda Sanchez

Presented: Honors College Symposium, July 28, 2014

Graduated: Summer 2014, August 8, 2014

Diallo, Boukary (Accounting)

Introducing a Rolling Highway in the United States: A Case Study

Project Faculty Advisor: Dr. Hans Schumann

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Diaz, Ashley (History and Political Science – Dual Majors)

Voting Trends of Presidential Elections in Texas: 2008-2020

Project Faculty Advisor: Dr. Nirmal Goswami

Presented: Through Blackboard Collaborate on March 24, 2021

Graduated: Spring 2021, May 7, 2021

Dimock, Dylan (Psychology)

Detection of Inaccurate Information: Early V.S. Late in Questions using
Eye-tracking Technology

Project Faculty Advisor: Dr. Brenda Harmon

Presented: Honors College Symposium, November 21, 2015

Graduated: Fall 2015, December 11, 2015

Dimitrovska, Marija (Information Systems)

A Study of Online Marketing Approaches Used to Recruit Student-Athletes

Project Faculty Advisor: Dr. John Cicala

Presented: Honors College Symposium, June 22, 2015

Graduated: Summer, 2015 - August 7, 2015

Dinn, James H., IV (Biomedical Sciences)

Preparation and Characterization of Nano-materials Applied in the Biological Field for Water Purification

Project Faculty Advisor: Dr. Sajid Bashir

Presented: Honors College Symposium, April 26, 2014

Graduated: Spring 2014, May 9, 2014

Durham, Paul (Mechanical Engineering)

A Trial of Time in a Roller Coaster Pinewood Derby Track

Project Faculty Advisor: Dr. Larry Peel

Presented: Honors College Symposium, November 22, 2014

Graduated: Fall 2014, December 12, 2014

Eborn, Megan (Music Performance with an Emphasis in Piano Pedagogy)

Beginner Piano Methods: An Explorative and Comparative Study

Project Advisor: Dr. Joachim Reinhuber

Presented: Honors College Symposium, April 9, 2022

Graduated: Spring 2022, May 13, 2022

Eiland, Jennifer (Jenn) (History)

Indian-ness: Understanding the Historical and Contemporary Struggles Experienced by American Indians through the Lens of the Body, and Concepts of Individual and Cultural Identity

Project Faculty Advisor: Dr. Christine Reiser Robbins

Presented: Honors College Symposium, May 11, 2015

Graduated: Spring 2015, May 15, 2015

Elenwo, Chimenum Glory (Civil Engineering)

Renovation of Dick Kleberg Park Parking Lot

Project Faculty Advisor: Dr. Pat T. Leelani

Presented: Honors College Symposium, April 27, 2019

Graduated: Spring 2019, May 17, 2019

Elizondo, Amber (Biomedical Sciences)

The Benefits of Holding an Undergraduate Research Position on Undergraduate Students

Project Faculty Advisor: Dr. Kim McCuiston

Presented: Honors College Symposium, November 22, 2014

Graduated: Fall 2014, December 12, 2014

Elsworth, Jeffrey (Geology)

Texas Cretaceous Carbonate Foraminifera: Correlating Formations Using Foraminifera – Can It Be Simplified?

Project Faculty Advisor: Dr. John Buckley

Presented: Honors College Symposium, July 28, 2014

Graduated: Summer 2014, August 8, 2014

- Escobar-Ellison, Belize (Chemical Engineering)
Permitting Emergency Fire Water Pump Engines
Project Faculty Advisor: Dr. Breanna Bailey
Presented: Honors College Symposium, April 27, 20129 (presented early)
Graduated: Summer 2019, August 9, 2019
- Esparza, Aida (Architectural Engineering and Civil Engineering, Dual Majors)
Subdivision Layout Process
Project Faculty Advisor: Dr. Francisco Aguiniga
Presented: Honors College Symposium, November 19, 2022
Graduated: Spring 2023, May 12, 2023
- Espinosa, Bianca (Communication Sciences and Disorders)
Bilingual Anomic Aphasia – Sentence Intelligibility
Project Faculty Advisor: Dr. Angel Ball
Presented: Honors College Symposium, November 22, 2014
Graduated: Fall 2014, December 12, 2014
- Esqueda, Lauren A. (Biomedical Sciences)
Changes in Courtship Behavior in Fruit Flies with Germ-free Gut
Project Faculty Advisor: Dr. Maria Velez-Hernandez
Presented: Through Blackboard Collaborate on April 6, 2020
Graduated: Spring 2020, May 12, 2020
- Estrada, Monica (Geology)
Past-mineralization in Limestones in the Hye, Texas Area Shows Early Diagenesis
of the Upper Cap Mountain Member
Project Faculty Advisor: Dr. Thomas McGehee
Presented: Honors College Symposium, April 8, 2017
Graduated: Spring 2017, May 12, 2017
- Etheridge, Denise (Chemical Engineering)
The Dehydration of Methyl Acetate
Project Faculty Advisor: Dr. Carl David Murphy
Presented: Honors College Symposium, May 2, 2015
Graduated: Spring 2015, May 15, 2015
- Fakolade, Whitney (Biomedical Sciences)
Epigenetic Regulation in Human Ovarian Cancer
Project Faculty Advisor: Dr. Chang Sung
Presented: Honors College Symposium, November 19, 2016 (presented early)
Graduated: Spring 2017, May 12, 2017

Falade, Omolara (Biomedical Science)

Gold Nanoparticle for Cancer Treatment

Project Faculty Advisor: Dr. Sajid Liu and Dr. Jingbo Liu

Presented: Through Zoom on July 19, 2021 (presented early)

Graduated: Fall 2021, December 10, 2021

Fisher, Michael (Biomedical Sciences)

C-Type Lectin Research

Project Faculty Advisors: Dr. Elda Sanchez and Mr. Esteban Cantu

Presented: Honors College Symposium, April 22, 2013

Graduated: Spring 2013, May 10, 2013

Flaniken, Cassandra (Chemistry)

Catalytic Hydroamination of Alkenes

Project Faculty Advisor: Dr. Christine Hahn

Presented: Honors College Symposium, May 2, 2015

Graduated: Spring 2015, May 15, 2015

Fleming, Tiffany (Animal Science)

CRY5B as a Possible Anthelmintic for Goats

Project Faculty Advisor: Dr. Randy Stanko

Presented: Honors College Symposium, November 19, 2016

Graduated: Fall 2016, December 9, 2016

Fletcher, Lacey (Accounting)

Analysis of Financial Statement of a Public Company - AT&T, Inc.

Project Faculty Advisor: Dr. Kendra Huff

Presented: Honors College Symposium, April 14, 2018

Graduated: Spring 2018, May 18, 2018

Flores, Claudia M. (Chemical Engineering)

History of U.S. Environmental Air Regulations in the Chemical and Refinery Industries

Project Faculty Advisor: Dr. Matthew Alexander

Presented: Through Blackboard Collaborate on April 3, 2020

Graduated: Spring 2020, May 12, 2020

Frakes, Kaitlin D. (Finance)

Lesser-Known Derivatives: History and Significance to Consumer Markets

Project Faculty Advisor: Dr. William Procasky

Presented: Through Blackboard Collaborate on November 12, 2020

Graduated: Fall 2020, December 9, 2020

Fuchs, Kelsey (Chemical Engineering)

It's Not Just Math: The Importance of Soft Skills for Engineers

Project Faculty Advisor: Dr. Matthew Alexander

Presented: Honors College Symposium, May 9, 2019

Graduated: Spring 2019, May 17, 2019

Fuentes, Jacqueline (Architectural Engineering)

Design of the Electrical System of a Museum Space Exhibit

Project Faculty Advisor: Dr. Xiaoyu Liu

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Gallegos, Mauricia T. (Biomedical Sciences and Chemistry, Dual Majors)

The Chemical History of Color

Project Advisor: Dr. Christine Hahn

Presented: Honors College Symposium, April 9, 2022

Graduated: Spring 2022, May 13, 2022

Garberding, Matthew (Electrical Engineering)

Microcontroller Based Single-Axis Solar Tracking System

Project Faculty Advisor: Dr. Selahattin Ozcelik

Presented: Honors College Symposium, November 21, 2015 (presented early)

Graduated: Summer 2016, August 6, 2016

Garcia, Delisa A. (Biomedical Sciences)

CRISPR/CAS9 Therapeutic Methods for Complex Genetic Disorders

Project Faculty Advisor: Dr. Haeyoung Kim

Presented: Through Blackboard Collaborate on April 3, 2020

Graduated: Spring 2020, May 12, 2020

Garcia, Roger C. (Biomedical Sciences and Chemistry - Dual Majors)

Effects of Gut Dysbiosis on *Drosophila* Locomotor and Courtship Activity

Project Faculty Advisor: Dr. Maria Velez-Hernandez

Presented: Through Blackboard Collaborate on April 3, 2020

Graduated: Spring 2020, May 12, 2020

Garcia, Stephanie (Biomedical Sciences)

Beauty in the Eye of a Fly

Project Faculty Advisor: Dr. Rudolf Bohm

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Garcia, Trisha M. (Biomedical Sciences)

JAMP and My Experience

Project Faculty Advisor: Mr. James Eric Winterbottom

Presented: Honors College Symposium, November 23, 2019

Graduated: Fall 2019, December 13, 2019

Garcia-Moses, Zachary (Biomedical Sciences)

The Expectations and Realities of Lab: Benefits and Joining Process

Project Advisor: Dr. Rudolf Bohm

Presented: Honors College Symposium, April 9, 2022

Graduated: Spring 2022, May 13, 2022

Garcia Torres, Jacquelyn (Architectural Engineering)

Design Development of Assisted Living Facility Center

Project Advisor: Dr. Breanna Bailey

Presented: Honors College Symposium, April 1, 2023

Graduated: Spring 2023, May 12, 2023

Garcia Torres, Maria Raquel (Architectural Engineering)

Kleberg County Civic Center: Mechanical Systems in Buildings

Project Faculty Advisor: Dr. Hui Shen

Presented: Through Blackboard Collaborate on March 24, 2021

Graduated: Spring 2021, May 7, 2021

Garza, Anthony (Computer Science)

Bioinformatics Effect on the Medical Field

Project Advisor: Dr. Hani Girgis

Presented: Honors College Symposium, April 9, 2022

Graduated: Spring 2022, May 13, 2022

Garza, Frank (Communications and Political Science – Dual Majors)

Operating in a Newsroom

Project Faculty Advisor: Dr. Manuel Flores

Presented: Honors College Symposium, May 2, 2015

Graduated: Spring 2015, May 15, 2015

Garza, Icia (Biomedical Sciences)

Mutagenesis and Analysis of Transcriptional Regulation of the *Drosophila ether-a-go-go*-like Potassium Channel (DELK) Utilizing the "Plug and Play" Cassette Exchange

Project Faculty Advisor: Dr. Enrique Massa

Presented: Honors College Symposium, April 27, 2019

Graduated: Spring 2019, May 17, 2019

- Garza, Gabrielle (Belle) (Communication Sciences and Disorders)
Exploring the Relationship of a Novel Application of Grammatical Analysis to Expressive Vocabulary
Project Faculty Advisors: Dr. Stephen Oller and Dr. Patricia Huskin
Presented: Honors College Symposium, April 26, 2014
Graduated: Spring 2014, May 9, 2014
- Garza, Jr., Rene R. (Biology)
The Evolution of Fat Storage and Usage
Project Faculty Advisor: Dr. Christine Reiser Robbins
Presented: Through Blackboard Collaborate on April 9, 2020
Graduated: Spring 2020, May 12, 2020
- Gbenle, Ayomide (Biomedical Sciences)
Investigation into PolyQ Expanded Huntingtin Toxicity
Project Faculty Advisor: Dr. Rudi Bohm
Presented: Honors College Symposium, April 26, 2014
Graduated: Spring 2014, May 9, 2014
- Gerla, Laura R. (Biomedical Sciences)
Transfer and Prevalence of Methicillin Resistant *Staphylococcus aureus* in Local South Texas Shelters
Project Faculty Advisor: Dr. Jean Escudero
Presented: Honors College Symposium, April 22, 2013
Graduated: Spring 2013, May 10, 2013
- Glenn, Sierra Aiden Tillman (History and Fine Arts – Dual Majors)
A Comparative Analysis of Incarceration: Japanese Americans and the Detention of Asylum Seekers
Project Faculty Advisor: Dr. Brenda Melendy
Presented: Honors College Symposium, November 23, 2019 (presented early)
Graduated: Fall 2020, December 9, 2020
- Gloria, Amanda (Biomedical Sciences)
Exosome Extraction and Purification
Project Faculty Advisor: Dr. Rudolf Bohm
Presented: Honors College Symposium, April 8, 2017
Graduated: Spring 2017, May 12, 2017
- Gnako, Totoh Leslie J. (Jessica) (Chemical Engineering)
Ethyl Acetate Production from Ethanol and Acetic Acid
Project Faculty Advisor: Dr. Carl David Murphy
Presented: Honors College Symposium, April 22, 2013
Graduated: Spring 2013, May 10, 2013

Gonzales, Alec (Mechanical Engineering)

Impact of Augmented Reality Signal Design in Semi-Autonomous Vehicle Takeover

Project Faculty Advisor: Dr. George Toscano

Presented: Through Blackboard Collaborate on November 13, 2020

Graduated: Fall 2020, December 9, 2020

Gonzalez, Andrea Marie (English)

Interpretation Gender Dynamics and Sexuality: Shakespeare's *A Midsummer Night's Dream*

Project Faculty Advisor: Dr. Ryan Singh Paul

Presented: Honors College Symposium, November 19, 2022

Graduated: Fall 2022, December 9, 2022

Gonzalez, Cecilia (Biomedical Sciences)

Can the matK Barcode be used to Confirm the Identification of Five Collections of *Bryum argenteum*?

Project Faculty Advisor: Dr. Cynthia Galloway

Presented: Honors College Singular Symposium, April 8, 2017

Graduated: Spring 2017, May 12, 2017

Gonzalez, Dora (Communication Sciences and Disorders)

Acoustic Analysis of Voice

Project Faculty Advisor: Dr. Christine Bergan-Strange

Presented: Honors College Symposium, April 22, 2013

Graduated: Spring 2013, May 10, 2013

Gonzalez, Samantha (Marketing)

How Graphic Design Has Become Integral to Marketing

Project Advisor: Dr. Zhuofan Zhang

Presented: Honors College Symposium, April 9, 2022

Graduated: Spring 2022, May 13, 2022

Gonzalez, Trevor J. (Biomedical Sciences)

Validation of Fatty Acids Regulated Genes in L6 Muscle Cells

Project Faculty Advisor: Dr. Yi Li

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Granados, Ysenia (Chemical Engineering)

Agriculture Nutrition Effects of Increased Oil and Gas Activity for the Carrizo-Wilcox Aquifer in the Winter Garden Region in Southwest Texas

Project Advisor: Dr. Matthew Alexander

Presented: Honors College Symposium, April 1, 2023

Graduated: Spring 2023, May 12, 2023

Green, Emalee (Psychology)

Effects of Food Intake and Exercise Frequency on Respiratory Sinus Arrhythmia (RSA) During the Tower of London Task

Project Faculty Advisor: Dr. Dana Byrd

Presented: Honors College Symposium, November, 22, 2014

Graduated: Fall 2014, December 12, 2014

Green, Mitchell (Range and Wildlife Management)

Population Survey of Turtles at Kleberg Park

Project Faculty Advisor: Dr. April Conkey

Presented: Honors College Symposium, November 4, 2017 (presented early)

Graduated: Summer 2018, August 10, 2018

Guerrero, Benjamin (Mechanical Engineering)

Drivetrain Improvements to a Multi-Person Human Powered Vehicle

Project Faculty Advisor: Dr. Mohammad Hossain

Presented: Honors College Symposium, April 8, 2017

Graduated: Spring 2017, May 12, 2017

Guess, Madison (Biomedical Sciences)

Determination of the pH Dependence of the Tetracycline Monooxygenase (TetX) Reaction

Project Faculty Advisor: Dr. Kevin Francis

Presented: Honors College Symposium, November 19, 2022

Graduated: Fall 2022, December 9, 2022

Haces-Garcia, Arturo (Electrical Engineering)

Classifying Human vs. Animal in Border Security Using a Low Power and Low-Cost Convolutional Neural Network Hardware

Project Faculty Advisor: Dr. David Hicks

Presented: Honors College Symposium, November 23, 2019 (presented early)

Graduated: Spring 2020, May 12, 2020

Haces-Garcia, Francisco (Environmental Engineering)

Remote Sensing Implementations for Eutrophication Control Policy

Project Faculty Advisor: Dr. Thomas Lynn

Presented: Honors College Symposium, November 23, 2019

Graduated: Fall 2019, December 13, 2019

Hamaker, Zachary (Agribusiness)

Agricultural Sustainability of the Lower Rio Grande Valley

Project Faculty Advisor: Dr. Benjamin Turner

Presented: Honors College Symposium, April 27, 2019

Graduated: Spring 2019, May 17, 2019

Hannusch, Heather (Range and Wildlife Management)
Quantifying Urban Sprawl and Habitat Loss for Northern Bobwhite in Texas
Project Faculty Advisor: Dr. Humberto Perotto
Presented: Honors College Symposium, November 19, 2016 (presented early)
Graduated: Spring 2017, May 12, 2017

Hayes, Kelsey (Human Nutrition)
The Fast Food Addiction
Project Faculty Advisor: Dr. Farzad Deyhim
Presented: Honors College Symposium, August 1, 2013
Graduated: Summer 2013, August 10, 2013

Haynes, Victoria (Tori) (Range and Wildlife Management)
Citizen Science Data on Location of White-tailed Deer in Fair Oaks Ranch, Texas
Project Faculty Advisor: Dr. David Hewitt
Presented: Honors College Symposium, May 2, 2015
Graduated: Spring 2015, May 15, 2015

Heiner, Recca V. (Animal-Wildlife Veterinary Technology)
Botswana: Man vs. Nature
Project Faculty Advisor: Dr. Cariann Galloway-Montesano
Presented: Honors College Symposium, November 23, 2019 (presented early)
Graduated: Spring 2020, May 12, 2020

Hennig, Tyler (Computer Science)
Education Service Center, Region 2 Internship
Project Faculty Advisor: Dr. Avdesh Mishra
Presented: Through Blackboard Collaborate on March 25, 2021
Graduated: Spring 2021, May 7, 2021

Hernandez, Alexander (Alex) (Electrical Engineering)
Autonomous Lawnmower Software Development
Project Faculty Advisor: Dr. Lifford McLauchlan
Presented: Honors College Symposium, April 14, 2018
Graduated: Spring 2018, May 18, 2018

Hernandez, Ariel D. (Psychology and History -Dual Majors)
Affect of Social Media Use on Anxiety and Depression
Project Faculty Advisor: Dr. Donald W. Daughtry
Presented: Through Blackboard Collaborate on April 13, 2020
Graduated: Spring 2020, May 12, 2020

Hernandez, Delia (Human Nutrition)

Primary Age Nutrition and the Impact It has on the Obesity Epidemic

Project Faculty Advisor: Dr. Alexa Smith Carrier

Presented: Honors College Symposium, November 22, 2014

Graduated: Fall 2014, December 12, 2014

Hernandez, Eduardo (Lalo) (Biomedical Sciences)

Evaluation of Designed and Magnetism of Nanoparticles and Their In Vitro Cytotoxicity Analyses

Faculty Advisors: Dr. Jingbo Liu and Dr. Sajid Bashir

Presented: Honors College Symposium, April 26, 2014

Graduated: Spring 2014, May 9, 2014

Hernandez, Emily (Interdisciplinary Studies)

Technology and How Its Use Affects the Modern Day School System

Project Faculty Advisor: Dr. Marie Lassmann

Presented: Honors College Symposium, May 2, 2015

Graduated: Spring 2015, May 15, 2015

Hernandez, III, Encarnacion (Chon) (Biomedical Sciences)

Cultural Comparison of Native American Healing Methods and Mexican American Healing Methods and their Increasing Usage in South Texas

Project Faculty Advisor: Dr. Christine Reiser Robbins

Presented: Honors College Symposium, August 1, 2013

Graduated: Summer 2013, August 10, 2013

Herrera, Daniella (Geology)

Utilizing MODIS Imagery to Analyze the Relationships between the Urban Heat Island and Recent Land Use/Cover Change in San Antonio, Texas

Faculty Advisors: Dr. Haibin Su and Dr. Brent Hedquist

Presented: Honors College Symposium, May 2, 2015

Graduated: Spring 2015, May 15, 2015

Hessek, Kaitlyn (Animal Science)

Bottled Raised Whitetail Fawns

Project Faculty Advisor: Dr. Michael Cherry

Presented: Through Blackboard Collaborate on November 11, 2020

Graduated: Fall 2020, December 9, 2020

Hewitt, Matthew (Matt) (Range and Wildlife Management)

Determine a Sustainable Harvest Rate for Collared Peccary (*Pecari tajacu*)

Project Faculty Advisor: Dr. Randy DeYoung

Presented: Honors College Symposium, November 4, 2017

Graduated: Fall 2017, December 15, 2017

- Hinojosa, Pricila (Prissy) (Biomedical Sciences)
Manipulation of Adrenergic Receptors in Modern Medicine
Project Faculty Advisor: Dr. Glenn Perrigo
Presented: Honors College Symposium, April 26, 2014
Graduated: Spring 2014, May 9, 2014
- Hlavinka, Avery (Biomedical Sciences)
Influence of Environmental Conditions on *Salmonella* Growth
Project Faculty Advisor: Dr. Richard Laughlin
Presented: Honors College Symposium, November 4, 2017 (presented early)
Graduated: Spring 2018, May 18, 2018
- Houf, William (Chemical Engineering and Chemistry)
Propionic Acid Market and Production Analysis
Project Faculty Advisor: Dr. Patrick Mills
Presented: April 1, 2023
Graduated: Fall 2023, December 8, 2023
- Huebotter, Michaela (Architectural Engineering)
Design of an Event Center Structural System
Project Faculty Advisor: Dr. Breanna Bailey
Presented: Honors College Symposium, April 30, 2016
Graduated: Spring 2016, May 13, 2016
- Isibor, Itohaosa Inemesit Monica (Environmental Engineering)
Developing a Map of Human Alterations Across the World's Floodplains
Project Advisor: Dr. Adnan Rajib
Presented: Honors College Symposium, April 9, 2022
Graduated: Spring 2022, May 13, 2022
- James, Vanessa P. (Chemical Engineering)
Modeling of Natural Fluctuations in Groundwater Concentrations
Project Faculty Advisor: Dr. Matthew Alexander
Presented: Honors College Symposium, November 23, 2019 (presented early)
Graduated: Spring 2020, May 12, 2020
- Karki, Bishwash (Electrical Engineering)
PXE Enhancements, Repository Migration for Microchip Technology Inc.
Project Advisor: Dr. Rajab Chaloo
Presented: Honors College Symposium, April 9, 2022
Graduated: Spring 2022, May 13, 2022

Jaso, Myranda (Biomedical Sciences)

Complementary/Alternative Medicine vs. Biomedicine/Pharmaceuticals in Mexican-American Folk Healing

Project Faculty Advisor: Dr. Christine Reiser Robbins

Presented: Honors College Symposium, April 8, 2017

Graduated: Spring 2017, May 12, 2017

Jarzombek, Molly (Interdisciplinary Studies)

The Effect of an Honors College on Retention among First Year Students

Project Faculty Advisor: Dr. Kim McCuiston

Presented: Honors College Symposium, November 21, 2015 (presented early)

Graduated: Spring 2016, May 13, 2016

Jewett, Evan (Mechanical Engineering)

Summer Internship at Enflite, Inc.

Project Faculty Advisor: Dr. Grady Isensee

Presented: Honors College Symposium, November 19, 2022

Graduated: Spring 2023, May 12, 2023

Johnson, Rachel (Biomedical Sciences)

Characterization and Classification of Castoff Spatter from Various Kitchen Knives

Project Faculty Advisor: Dr. Cynthia Galloway

Presented: Honors College Symposium, April 8, 2017

Graduated: Spring 2017, May 12, 2017

Jones, Autumn (Biomedical Sciences)

Using CRISPR to Flip the Front End of *Pumilio*

Project Faculty Advisor: Dr. Rudolf Bohm

Presented: Honors College Symposium, July 13, 2023

Graduated: Summer 2023, August 4, 2023

Jurica, Cameron (Biomedical Sciences)

Study of a Novel Venom Protein Recombinant Disintergrin (r-Cam-dis) and Its Fragment (r-Cam-Fg1) on Pancreatic Cancer Metastasis

Project Faculty Advisor: Dr. Elda Sanchez

Presented: Honors College Symposium, April 26, 2014

Graduated: Spring 2014, May 9, 2014

Kaiser, Richard F. (Animal Science)

The Effects of Quebracho on Adipose Tissue

Project Faculty Advisor: Dr. Michelle Garcia

Presented: Through Blackboard Collaborate on April 6, 2020

Graduated: Spring 2020, May 12, 2020

- Kendrick, Kyle (Civil Engineering)
Vernie and Blanche Hubert Field Drainage Repair
Project Faculty Advisor: Dr. Amir Hessami
Presented: Honors College Symposium, April 29, 2019
Graduated: Spring 2019, May 17, 2019
- Kerr, Kristopher (Electrical Engineering)
Path Finding Robot
Project Faculty Advisor: Dr. Selahattin Ozelik
Presented: Honors College Symposium, May 2, 2015
Graduated: Spring 2015, May 15, 2015
- Kolbe, Nicholas (Nick) (Range and Wildlife Management)
Success Rates of Finding White-tailed Deer Fawns using Vaginal Implant Transmitters
Project Faculty Advisor: Dr. David Hewitt
Presented: Honors College Symposium, April 22, 2013
Graduated: Spring 2013, May 10, 2013
- Kurien, Jason (Biomedical Sciences)
Isolation and Purification of Crotoamine from Southern Pacific Rattlesnake
[*crotalus oreganus helleri*] Venom and Its Effects on Platelet Function
Project Faculty Advisor: Dr. Elda Sanchez
Presented: Honors College Symposium, April 22, 2013
Graduated: Spring 2014, May 9, 2014
- Kyral, Allison (Kinesiology)
The Effect of Moderate Intensity Aerobic Exercise on Affect and Exercise Intention
in Active and Inactive College Students
Project Faculty Advisor: Dr. Amber Shipherd
Presented: Honors College Symposium, November 3, 2018
Graduated: Fall 2018, December 14, 2018
- Larson, Carolyn (Spanish with Teaching Certification)
Heritage Learners in U.S. Public Schools
Project Faculty Advisor: Dr. Marco Íñiguez-Alba
Presented: Through Blackboard Collaborate on November 11, 2020
Graduated: Spring 2021, May 7, 2021
- Le, Anh Nguyen Thuy (Chemistry)
Detecting Potential Interactions between SALL2 and SOX2
Project Faculty Advisor: Dr. Chang K. Sung
Presented: Through Blackboard Collaborate on April 9, 2020
Graduated: Spring 2020, May 12, 2020

Leanos, Cecillia (Criminology)

Facilities and Access in the Texas Department of Criminal Justice

Project Faculty Advisor: Dr. Joseph Domino

Presented: Honors College Symposium, April 26, 2014

Graduated: Spring 2014, May 9, 2014

Lee, Caleb (Criminology)

What are Talking Circles and Why do the Citizen Potawatomi Nation use this Method to Resolve Disputes?

Project Faculty Advisor: Dr. Stan Hodges

Presented: Honors College Symposium, November 22, 2014

Graduated: Fall 2014, December 12, 2014

Limon, Marco A. (Chemistry)

Hell on Earth: The Fort Bliss Experience

Project Faculty Advisor: LTC Victor Diaz

Presented: Through Blackboard Collaborate on April 7, 2020

Graduated: Spring 2020, May 12, 2020

Lopez, Audrey (Chemical Engineering)

Study of Crystal Growth Modifiers

Project Faculty Advisor: Dr. Matthew Alexander

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Lopez, Pamela (Music Education with Teaching Certification)

The Development of Mentoring a Horn Quartet

Project Faculty Advisor: Dr. Jennifer Sholtis

Presented: Through Blackboard Collaborate on November 11, 2020

Graduated: Spring 2021, May 7, 2021

Lovejoy, Kaylee (Range and Wildlife Management)

Inventorying Woody Vegetation using Drones in South Texas

Project Advisor: Dr. Humberto Perotto

Presented: Honors College Symposium, April 9, 2022

Graduated: Spring 2022, May 13, 2022

Lorenzo-Luaces, Michael (Electrical Engineering)

Occupancy Sensor Design

Project Faculty Advisor: Dr. Chung Leung

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Lozano, Audria (Communication Sciences and Disorders)

Effects of Parenting Styles on Moral Perspectives of Future Parents

Project Faculty Advisor: Dr. Richard Miller

Presented: Honors College Symposium, November 13, 2021

Graduated: Fall 2021, December 10, 2021

Lundin, Courtney (Biomedical Sciences)

The Anti-Proliferation and Apoptosis-Inducing Effects of Disintegrins

r-Mojastin 1 and r-Viridistatin 2 on CHAGO-K-1 Human Bronchus Carcinoma Cells

Project Faculty Advisor: Dr. Sara Lucena

Presented: Honors College Symposium, April 26, 2014

Graduated: Spring 2014, May 9, 2014

Luo, Wei (Electrical Engineering)

Smart Water Monitor

Project Faculty Advisor: Dr. Lifford McLauchlan

Presented: Through Blackboard Collaborate on April 8, 2020

Graduated: Spring 2020, May 12, 2020

Macha, Marissa (Range and Wildlife Management)

Applications of Telemetry in Managing Attwater's Prairie Chickens

Project Faculty Advisor: Dr. Eduardo A. Gonzalez-Valenzuela

Presented: Through Blackboard Collaborate on November 12, 2020

Graduated: Fall 2020, December 9, 2020

Manning, Abigail (Finance)

The Impact of the Derivatives Market

Project Faculty Advisor: Dr. William Procasky

Presented: Honors College Symposium, November 13, 2021

Graduated: Fall 2021, December 10, 2021

Marroquin, Kaitlyn (Biomedical Sciences)

Epidermodysplasia verruciformis

Project Faculty Advisor: Dr. Fang He

Presented: Honors College Symposium, April 9, 2022

Graduated: Summer 2022, August 12, 2022

Martin, Hilari (Chemical Engineering)

Methyl Acetate and Methanol Separation Towers for the Hydrolysis of Methyl Acetate

Project Faculty Advisor: Dr. Carl David Murphy

Presented: Honors College Symposium, May 2, 2015

Graduated: Spring 2015, May 15, 2015

Martinez, Christopher L. (Criminology)

Plata O Plomo: The Impact of Drug Trafficking on U.S.-Mexico Relations

Project Faculty Advisor: Dr. Nirmal Goswami

Presented: Honors College Symposium, November 19, 2016

Graduated: Fall 2016, December 9, 2016

Martinez, Daniel (Sebastian) (Architectural Engineering and Civil Engineering, Dual Majors)

Applications of Finite-Element Analysis in Structural Engineering

Project Faculty Advisor: Dr. Breanna Bailey

Presented: Honors College Symposium, November 19, 2022 (Presented Early)

Graduated: Spring 2023, May 12, 2023

Martinez, Hugo (Chemical Engineering)

Synthesis & Characterization of Organic Semiconductors

Project Faculty Advisor: Dr. Xiaoliu Chi

Presented: Honors College Symposium, May 2, 2015

Graduated: Spring 2015, May 15, 2015

Martinez, Michael (Electrical Engineering)

Understanding the Operation of Nano-Electronics in Low Temperatures

Project Faculty Advisor: Dr. Reza Nekovei

Presented: Through Blackboard Collaborate on March 25, 2021

Graduated: Spring 2021, May 7, 2021

Martinez, Miriam (Communication Sciences and Disorders)

Traditional Versus Cycle Approach in Speech Therapy

Project Faculty Advisor: Dr. Debra Forman

Presented: Through Blackboard Collaborate on November 13, 2020

Graduated: Fall 2020, December 9, 2020

Martinez-Gomez, Erick (Mechanical Engineering)

Self-Sustained Energy Supply with Renewable Energy for Farm Operation in Texas

Project Advisor: Dr. Hua Li

Presented: Honors College Symposium, November 13, 2021 (presented early)

Graduated: Spring 2022, May 13, 2022

Mauck, Justin (Geology)

Using pXRF to Map and Correlate Tuffs in Big Bend National Park

Project Faculty Advisor: Dr. Mark T. Ford

Presented: Honors College Symposium, April 30, 2014

Graduated: Spring 2014, May 9, 2014

McKaughan, Matthew (Biomedical Sciences)

Cloning of Waprin Genes from the Venom Gland cDNA Library of
Bothrops colombiensis

Project Faculty Advisors: Dr. Elda E. Sanchez and Dr. Montamas Suntravat
Presented: Honors College Symposium, July 8, 2016
Graduated: Spring 2016, May 13, 2016

McLaughlin, Lisa A. (Geology)

An Oil & Gas Exploration Field Study: Mifflin Field, Kenedy County, Texas

Project Faculty Advisor: Professor Dan H. Jackson
Presented: Honors College Symposium, August 1, 2013
Graduated: Summer 2013, August 10, 2013

McMahan, Ella (Criminology)

Culture of Honor: A Southern Theory of Violence

Project Faculty Advisor: Dr. Stan Hodges
Presented: Honors College Symposium, July 13, 2023
Graduated: Summer 2023, August 4, 2023

McReynolds, Claire (Animal Science)

The Analysis of VFAs in Ruminally Cannulated Steers Cyclically Fed Monensin

Project Faculty Advisor: Dr. Natasha Bell
Presented: Honors College Symposium, November 3, 2018
Graduated: Fall 2018, December 14, 2018

Medina, Joseph (Chemistry)

Hydromination of Alkenes with Rhodium Bis-Diphenylphosphino Monoxide Complexes

Project Faculty Advisor: Dr. Christina Hahn
Presented: Honors College Symposium, April 14, 2018
Graduated: Spring 2018, May 18, 2018

Medrano, Jo-Ana (Interdisciplinary Studies)

Educational Experiences of Latinos throughout Generations

Project Faculty Advisor: Dr. Norma Guzman
Presented: Honors College Symposium, November 22, 2014
Graduated: Fall 2014, December 12, 2014

Mejia, Natalia (Biomedical Sciences)

HIV Epidemic in South Africa

Project Faculty Advisor: Dr. Nirmal Goswami
Presented: Honors College Symposium, November 19, 2022 (Presented Early)
Graduated: Spring 2023, May 12, 2023

Mendez, Joshua (Communications)

Establishing Effective Communication in an Ineffective Setting

Project Faculty Advisor: Dr. Larry Knight

Presented: Honors College Symposium, November 13, 2021

Graduated: Fall 2021, December 10, 2021

Mercado, Francesca (Biomedical Sciences)

Perceptions of Health Care Through an Integrative Lens of College Students and Providers of Health

Project Faculty Advisor: Dr. Christine Reiser Robbins

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Miano, Brittany (Animal Science)

Early Breeding Fall Born Ewes Lambs

Project Faculty Advisor: Dr. Randy Stanko

Presented: Honors College Symposium, November 4, 2017

Graduated: Fall 2017, December 15, 2017

Michalec, Donald (Donny) (Mechanical Engineering)

Prosthetic Hand, Finger, and Actuation Component Design

Project Faculty Advisor: Mr. Grady Isensee

Presented: Honors College Symposium, April 8, 2017

Graduated: Spring 2017, May 12, 2017

Milecky, Meghan (Biomedical Sciences)

Sexual Assault on College Campus: Causes, Characteristics and Prevention

Project Faculty Advisor: Dr. Daehoon Han

Presented: Honors College Symposium, November 21, 2015

Graduated: Spring 2015, May 15, 2015

Moberg, Dakota (Range and Wildlife Management)

Rural Land Fragmentation during the COVID-19 Pandemic

Project Advisor: Dr. Thomas Krueger

Presented: Honors College Symposium, November 13, 2021(presented early)

Graduated: Spring 2022, May 13, 2022

Montague, Dante J. (Criminology)

The Effects of Exercise on Prisoners Mental Health

Project Faculty Advisor: Dr. Barbara Cooke

Presented: Through Blackboard Collaborate on April 8, 2020

Graduated: Spring 2020, May 12, 2020

Montalvo, Dohnovan (Accounting)

The Enron/Andersen Scandal

Project Faculty Advisor: Dr. Kendra Huff

Presented: Honors College Symposium, November 23, 2019

Graduated: Fall 2019, December 13, 2019

Montemayor, Roland M. (Chemical Engineering)

The Importance of Thermodynamic Methods in Industry

Project Faculty Advisor: Dr. Matthew Alexander

Presented: Through Blackboard Collaborate on April 3, 2020

Graduated: Spring 2020, May 12, 2020

Montez, Anthony (Chemical Engineering)

Production of Oxalic Acid and Its Removal from Wastewater Systems

Project Faculty Advisor: Dr. Matthew Alexander

Presented: Honors College Symposium, April 14, 2018

Graduated: Spring 2018, May 18, 2018

Montez, Diane (Computer Science)

High Dynamic Range (HDR) Image Processing

Project Faculty Advisor: Dr. David Hicks

Presented: Honors College Symposium, November 3, 2018 (presented early)

Graduated: Spring 2019, May 17, 2019

Montoya, Oscar (Psychology)

Difference in Visual-Evoked Potential between Bilingual and Monolingual College Students

Project Faculty Advisor: Dr. Dana Byrd

Presented: Honors College Symposium, November 22, 2014

Graduated: Fall 2014, December 12, 2014

Morales, Erin (Biomedical Sciences)

Molecular Engineering of a Recombinant C-type Lectin

Project Faculty Advisor: Dr. Elda Sanchez

Presented: Honors College Symposium, April 22, 2013

Graduated: Spring 2013, May 10, 2013

Moreno, Rosamaria Yvette (Biomedical Sciences and Chemistry – Dual Majors)

Toxicity Score for *Crotalus atrox* Snake Venom

Project Faculty Advisor: Dr. Jacob Galan

Presented: Honors College Symposium, April 27, 2019

Graduated: Spring 2019, May 17, 2019

Morgan, Joshua (Chemical Engineering)

Power Generation for a Portable LNG Plant

Project Faculty Advisor: Dr. Carl David Murphy

Presented: Honors College Symposium, May 5, 2015

Graduated: Spring 2015, May 15, 2015

Morrell, Taylor Elizabeth (Animal Science)

Animal Rights vs. Animal Welfare

Project Faculty Advisor: Dr. Wm. Brice Finney

Presented: Honors College Symposium, July 8, 2016

Graduated: Spring 2016, May 13, 2016

Mossman-Fuentes, Victoria T. (Animal Science)

Undergraduate Career Experience & Research Opportunities: USDA Internship 2021

Project Advisor: Dr. Consuelo Donato

Presented: Honors College Symposium, April 9, 2022

Graduated: Spring 2022, May 13, 2022

Naegelin, Zachary (Range and Wildlife Management)

The Effectiveness of Sound Deterrents on White-Tailed Deer and Other Mammals

Project Faculty Advisor: Dr. Scott Henke

Presented: Honors College Symposium, November 19, 2016

Graduated: Fall 2016, December 9, 2016

Nash, Caleb (Mechanical Engineering)

Review of Air Handling Systems in Industry

Project Faculty Advisor: Dr. Francisco Aguiñiga

Presented: Through Blackboard Collaborate on March 23, 2021

Graduated: Spring 2021, May 7, 2021

Navarro, Carlos (Music Education with Teaching Certification)

Saxophone Repertoire

Project Advisor: Dr. Thomas Zinniger

Presented: Honors College Symposium, November 13, 2021 (presented early)

Graduated: Spring 2022, May 13, 2022

Nevarez, Steven (Marketing)

Effects of COVID-19 on Walt Disney World: A Financial and Marketing Review

Project Faculty Advisor: Dr. Genevieve Scalan

Presented: Through Blackboard Collaborate on November 11, 2020

Graduated: Fall 2020, December 9, 2020

Nguyen, Matthew (Biomedical Sciences)

Study of Hematologic Effects of Mohave Rattlesnake (*Crotalus scutulatus scutulatus*)
Venom from Twelve Different Geographical Regions

Project Faculty Advisors: Dr. Elda Sanchez and Dr. Montamas Suntravat

Presented: Honors College Symposium, May 2, 2015

Graduated: Spring 2015, May 15, 2015

Nnadi, Paracleta (Biomedical Sciences)

Isolation and Characterization of IgY Toxin Antibodies from Chicken Eggs

Project Faculty Advisor: Dr. Elda Sanchez

Presented: October 7, 2023

Graduated: Fall 2023, December 8, 2023

Nuñez, Erik (Communication Sciences and Disorders)

Student Attitudes toward Mexican-American Folk Healing Practices

Project Faculty Advisor: Dr. Christine Reiser Robbins

Presented: Honors College Symposium, August 1, 2013

Graduated: Summer 2013, August 10, 2013

Obi, Emeka (Electrical Engineering)

VCPU DATA API

Project Advisor: Dr. Rajab Challoo

Presented: Honors College Symposium, April 9, 2022

Graduated: Spring 2022, May 13, 2022

Odale, Jeremiah (Psychology)

Post-Traumatic Stress Disorder and Chaplaincy

Project Faculty Advisor: Dr. Pete Pardo, Jr.

Presented: Honors College Symposium, November 23, 2019

Graduated: Fall 2019, December 13, 2019

Okakpu, Uchenna (Chemical Engineering and Chemistry – Double Degrees – different colleges)

Isobutylene Production from Catalytic Dehydrogenation of Isobutane

Project Faculty Advisor: Dr. Matthew Alexander

Presented: Honors College Symposium, April 8, 2017

Graduated: Spring 2017, May 12, 2017

Oldag, Cierra (Biomedical Sciences)

Breastfeeding vs. Bottle-Feeding: Why Breast Really is Best

Project Faculty Advisor: Dr. Hyunsook Kang

Presented: Honors College Symposium, May 2, 2015

Graduated: Spring 2015, May 15, 2015

Ortiz, Natalie (Biomedical Sciences)

Texas A&M Irma Lerma Rangel College of Pharmacy ASPIR²E Track 2 Program
Project Faculty Advisor: Dr. Elaine Demps (Irma Lerma College of Pharmacy)
Presented: Through Blackboard Collaborate on April 9, 2020
Graduated: Spring 2020, May 12, 2020

Ortiz, Sarvia T. (Animal-Wildlife Veterinary Technology)

The Role of Licensed Veterinary Technicians in the Veterinary Industry
Project Faculty Advisor: Dr. Clayton Hilton
Presented: Through Blackboard Collaborate on March 25, 2021
Graduated: Spring 2021, May 7, 2021

Pachicano, Salma (Civil Engineering)

Masonry Arch Competition: My Experience and It's Benefits
Project Faculty Advisor: Dr. Breanna Bailey
Presented: Honors College Symposium, November 23, 2019
Graduated: Fall 2019, December 13, 2019

Page, Michael (Range and Wildlife Management)

Modeling Woody Vegetation Density with Very High-Resolution Remote Sensing
Imagery and Unmanned Aerial Systems
Project Faculty Advisor: Dr. Humberto Perotto
Presented: Honors College Symposium, April 27, 2019
Graduated: Spring 2019, May 17, 2019

Pankratz, Naomi R. (Geology)

Aquifer Potential of Late Cambrian Age Hickory Sandstone in Central Texas
Project Faculty Advisor: Dr. Thomas McGehee
Presented: Honors College Symposium, April 22, 2013
Graduated: Spring 2013, May 10, 2013

Peña, Clarissa (Biomedical Sciences)

Responsibilities and Credentials of Pharmacists at Different Types of Pharmacies
Project Faculty Advisor: Dr. Lorraine Killion
Presented: Honors College Symposium, April 30, 2016
Graduated: Spring 2016, May 13, 2016

Perez, Alexandria (Interdisciplinary Studies)

What Makes a Bad Teacher?
Project Faculty Advisor: Dr. Nelson Warren Miller
Presented: Honors College Symposium, November 21, 2015 (presented early)
Graduated: Spring 2016, May 13, 2016

- Perez, Anthony R. (Music Education with Teaching Certification)
An Overview of the Chronology and History of the Trumpet
Project Faculty Advisor: Dr. Kyle Millsap
Presented: Through Blackboard Collaborate on April 8, 2020 (presented early)
Graduated: Fall 2020, December 9, 2020
- Perez, Kevin (Music Education with Teaching Certification)
A Historic Overview of the Weber Clarinet Concertino and Concertos
Project Faculty Advisor: Dr. Sarah Lucas
Presented: Honors College Symposium, April 9, 2022
Graduated: Fall 2022, December 9, 2022
- Perez, Brianna (Biomedical Sciences)
Neutralization of Snake Venoms using Expired Antivenoms
Project Faculty Advisor: Dr. Elda Sanchez
Presented: Honors College Symposium, April 27, 2019
Graduated: Spring 2019, May 17, 2019
- Perkins, Lenora (Geology)
Fluid Flow and BSR Distribution off the Coast of Oregon
Project Faculty Advisor: Dr. Sunnarao Yelisetti
Presented: Honors College Symposium, April 27, 2019
Graduated: Spring 2019, May 17, 2019
- Peever, David Ryan (Accounting)
CPA Pass Rates and Effect on Life of Post-Grad Student
Project Faculty Advisor: Dr. Kendra Huff
Presented: Through Blackboard Collaborate on April 3, 2020
Graduated: Spring 2020, May 12, 2020
- Pierce, David (Computer Science)
Digital Preservation and Video Games: Methodology and Challenges
Project Advisor: Dr. Aniruddha Mukhopadhyay
Presented: Honors College Symposium, April 9, 2022
Graduated: Spring 2022, May 13, 2022
- Polly Kaitlyn (English)
Propaganda vs. Payoff: What are the Real Benefits of the Study Abroad Program?
Project Faculty Advisor: Dr. Ryan Paul
Presented: Honors College Symposium, May 2, 2015
Graduated: Spring 2015, May 15, 2015

- Porter, Crystal (Communication and Science Disorders)
Magnet Displacement in Cochlear Implant Recipients: Causes and Risk Factors
Project Faculty Advisor: Dr. Angel Ball
Presented: Honors College Symposium, November 9, 2016
Graduated: Fall 2016, December 9, 2016
- Potthast, Erich (Chemical Engineering)
Volatile Organic Compounds Emission Control Using Mobile Biofiltration
Project Faculty Advisor: Dr. Kim Jones
Presented: Honors College Symposium, November 19, 2016 (presented early)
Graduated: Spring 2017, May 12, 2017
- Pratel, Joshua (Mechanical Engineering)
Design and Testing of a Dual Axis Solar Tracker
Project Faculty Advisor: Dr. Selahattin Ozcelik
Presented: Honors College Symposium, April 30, 2016
Graduated: Spring 2016, May 13, 2016
- Proske, Macain (Civil Engineering)
Design of Exterior Cavity Wall for Rockport-Fulton FEMA Dome
Project Faculty Advisor: Dr. Breanna Bailey
Presented: Honors College Symposium, April 14, 2018
Graduated: Spring 2018, May 18, 2018
- Pulido Salinas, Daniela (Biomedical Sciences)
Abundance and Distribution of Mosquitoes in Texas
Project Faculty Advisor: Dr. Weimin Xi
Presented: Honors College Symposium, November 23, 2019
Graduated: Fall 2019, December 13, 2019
- Ramirez, Corinna (Animal Science)
Diseases Affecting Animals in South Texas
Project Faculty Advisor: Dr. Randy Stanko
Presented: Honors College Symposium, November 22, 2014
Graduated: Fall 2014, December 12, 2014
- Ramirez, Riley (Chemical Engineering)
Relationship between Air Pollution and Birth Defects in Nueces County
Project Advisor: Dr. Hua Li
Presented: Honors College Symposium, April 9, 2022
Graduated: Spring 2022, May 13, 2022

- Ramos, Michael (Chemical Engineering)
The Development of Improved Model Predictions by Updating the Historical Records of the Carrizo-Wilcox Aquifer
Project Advisor: Dr. Matthew Alexander
Presented: Honors College Symposium, April 9, 2022
Graduated: Spring 2022, May 13, 2022
- Ramos, Kaitlin (Architectural Engineering)
STEM Museum Landscape Design
Project Faculty Advisor: Dr. Xiaoyu Liu
Presented: Honors College Symposium, April 30, 2016
Graduated: Spring 2016, May 13, 2016
- Rauer, Julia (Finance)
The Holiday Effect Regarding Christmas Eve in the German and American Stock Market
Project Faculty Advisor: Dr. Thomas Krueger
Presented: Honors College Symposium, November 23, 2019
Graduated: Fall 2019, December 13, 2019
- Reyes, Oscar (Computer Science)
Development of a Spaced-Repetition Flashcard Studying Mobile Application
Project Faculty Advisor: Dr. David Hicks
Presented: Honors College Symposium, April 27, 2019
Graduated: Spring 2019, May 17, 2019
- Reyna, Theodore (Haden) (Finance)
Bank Examination? The Components of a Safety & Soundness Exam with the FDIC
Project Advisor: D. William Procasky
Presented: Honors College Symposium, April 1, 2023
Graduated: Spring 2023, May 12, 2023
- Riojas, Luis (Chemical Engineering)
Determining Hydrogen Gas Recovery Rates on Refinery Pressure Swing Absorption Unit
Project Faculty Advisor: Dr. Songtao Xie
Presented: Honors College Symposium, April 8, 2017
Graduated: Spring 2017, May 12, 2017
- Robinson, Chelsea (Chemical Engineering)
Design of an Optimal Methanol to Olefins Production Process
Project Faculty Advisor: Dr. Joseph Amaya
Presented: Honors College Symposium, April 27, 2019
Graduated: Spring 2019, May 17, 2019

- Rodriguez, Brittany (Chemical Engineering)
The Filtration Process of a Solar Powered Water Purification System
Project Faculty Advisor: Dr. Breanna Bailey
Presented: Honors College Symposium, April 14, 2018
Graduated: Spring 2018, May 18, 2018
- Rodriguez, Daniel (Chemical Engineering)
Citgo Unibon H2 Recycle: Compressor Surge Prevention
Project Faculty Advisor: Dr. Matthew Alexander
Presented: Honors College Symposium, April 30, 2016
Graduated: Spring 2016, May 13, 2016
- Rodriguez, Dora D. (Biomedical Sciences)
Designer Babies: Genetically Engineering the Humans of Tomorrow
Project Faculty Advisor: Dr. Donald Daughtry
Presented: Honors College Symposium, April 26, 2014
Graduated: Spring 2014, May 9, 2014
- Rodriguez, Raquel (Criminology and Psychology – Dual Majors)
Current Knowledge and Opinions over *Curanderismo*, Mexican American Folk Healing Practices
Project Faculty Advisor: Dr. Christine Reiser-Robbins
Presented: Honors College Symposium, April 26, 2014
Graduated: Spring 2014, May 9, 2014
- Rodriguez, Serjio (Biomedical Sciences)
Industry Analysis of Anesthesia
Project Faculty Advisor: Dr. Mauro Castro
Presented: Honors College Symposium, November 23, 2019
Graduated: Fall 2019, December 13, 2019
- Rodriguez IV, Reyes (Biomedical Sciences)
Physician Assistant: Occupational Characteristics & Outlook
Project Advisor: Mr. James Eric Winterbottom
Presented: Honors College Symposium, April 9, 2022
Graduated: Spring 2022, May 13, 2022
- Roque, Madeline (Maddy) (Biomedical Science)
Commitment in Heterosexual Marriages
Project Faculty Advisor: Dr. Herminio Ibañez
Presented: Honors College Symposium, April 22, 2013
Graduated: Spring 2013, May 10, 2013

Rosenbaum, Ashlea (Kinesiology)

Response Time and Puzzle Solving Skills in Gamers vs. Non-gamers
Project Faculty Advisors: Dr. Daniel Burt and Ms. Ashlee Burt
Presented: Honors College Symposium, April 8, 2017
Graduated: Spring 2017, May 12, 2017

Rosenbaum, Morgan (Animal-Wildlife Veterinary Technology)

Contraceptives in Non-domestic Species in Zoo Medicine
Project Faculty Advisor: Dr. Clayton Hilton
Presented: Honors College Symposium, April 8, 2017
Graduated: Spring 2017, May 12, 2017

Rother, Garrett (Chemical Engineering)

Production of Terephthalic Acid from Para-xylene
Project Faculty Advisor: Dr. Matthew Alexander
Presented: Honors College Symposium, April 8, 2017
Graduated: Spring 2017, May 12, 2017

Ruiz, Valerie L. (Animal Science)

USDA's Animal Research Services
Project Faculty Member: Dr. Randy Baldwin (Research Animal Scientist)
Presented: Through Blackboard Collaborate on July 24, 2020
Graduated: Summer 2020, August 4, 2020

Sabawi, Fares (Communications)

The South Texan and Civil Rights
Project Faculty Advisor: Dr. Manuel Flores
Presented: Honors College Symposium, May 2, 2015
Graduated: Spring 2015, May 15, 2015

Sacurom, Katrina (Trina) (Political Science)

Media Influences on Students during COVID-19 Pandemic
Project Faculty Advisor: Dr. Chika Rosenbaum
Presented: Through Blackboard Collaborate on November 12, 2020
Graduated: Fall 2020, December 9, 2020

Saenz III, Ramon (Range and Wildlife Management)

Does Fiber and Digestibility of Highly Preferred Ungulate Forages Vary Among
Forage Types and Seasons in South Texas?
Project Faculty Advisor: Dr. Timothy Fulbright
Presented: Honors College Symposium, May 2, 2015
Graduated: Spring 2015, May 15, 2015

Salas, Jesus (Physics)

Calculating the Power Spectrum of Minihalos Optical Depth Features

Project Faculty Advisor: Dr. Charles Allison

Faculty Advisors: Aaron Ewall-Wice and Dr. Jacqueline Hewitt (at MIT)

Presented: Honors College Symposium, April 26, 2014

Graduated: Spring 2014, May 9, 2014

Salazar, Joshua (Mechanical Engineering)

Abrahamic Religious Interpretations in Japan

Project Faculty Advisor: Dr. Chika Rosenbaum

Presented: Through Blackboard Collaborate on November 11, 2020

Graduated: Fall 2020, December 9, 2020

Salcedo, Camila (Biomedical Sciences and Psychology)

Straining Protocol for *Drosophila* Gut and Research

Project Faculty Advisor: Dr. Maria Velez-Hernandez

Presented: Through Blackboard Collaborate on November 12, 2020

Graduated: Fall 2020, December 9, 2020

Salyers, Nicholas J. (Mathematics)

Identification of Conserved Elements in *Drosophila* GAD1

Project Faculty Advisor: Dr. Rudolf Bohm

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Sanchez, Gabriella (Communication Sciences and Disorders)

Auditory Verbal Therapy: A Cultural and Educational Perspective

Project Faculty Advisor: Dr. Stephen Oller

Presented: Honors College Symposium, April 8, 2017

Graduated: Spring 2017, May 12, 2017

Sanchez, Sophia (Animal Science)

Cryptorchidism

Project Faculty Advisor: Dr. Randy Stanko

Presented: Honors College Symposium, November 23, 2019

Graduated: Fall 2019, December 13, 2019

Sandoval, Jessica (Accounting)

Impact of Culture in Business

Project Faculty Advisor: Dr. Kendra Huff

Presented: Honors College Symposium, April 8, 2017

Graduated: Spring 2018, May 18, 2018

Santos, Jeremiah (Chemical Engineering)

Organic Recovery Column in the Production of Ethyl Acetate from Ethanol and Acetic Acid

Project Faculty Advisor: Dr. Matthew Alexander

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Saucedo, Max (Biomedical Sciences)

Texas Coral Snake: An Intraspecies Study through Lethality Assays

Project Faculty Advisor: Dr. Elda Sanchez

Presented: Honors College Symposium, April 26, 2014

Graduated: Spring 2014, May 9, 2014

Schmidt, Alexis P. (Kinesiology)

The Effect of Prophylactic Knee Braces on Balance and Uninjured Knee Range of Motion

Project Faculty Advisor: Dr. Christopher Hearon

Presented: Honors College Symposium, April 22, 2013

Graduated: Spring 2013, May 10, 2013

Schmidt, Patrick W. (Music Education with Teaching Certification)

Origins and Development of the Trombone Choir

Project Faculty Advisor: Dr. Oscar Diaz

Presented: Through Blackboard Collaborate on April 9, 2020

Graduated: Spring 2020, May 12, 2020

Scott, Trevor J. (Mechanical Engineering)

Industry Analysis of Water Filtration Systems

Project Faculty Advisor: Professor Grady Isensee

Presented: Through Blackboard Collaborate on April 8, 2020

Graduated: Spring 2020, May 12, 2020

Seams, Brenna (Civil Engineering)

Greenwood Drive: Pedestrian Facilities Improvements

Project Faculty Advisor: Dr. Pat T. Leelani

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Sewall, Shelby (Animal Science)

History and Globalization of the Veterinary World

Project Faculty Advisor: Dr. Christine Reiser Robbins

Presented: October 7, 2023

Graduated: December 8, 2023

- Shipman, Kadi M. (Kinesiology - Exercise Science)
Comparison of Time to Position Under a Paired Sight Trial
Project Faculty Advisor: Dr. David Cotton
Presented: Through Blackboard Collaborate on April 8, 2020
Graduated: Spring 2020, May 12, 2020
- Simek, Emily (Mathematics with Teaching Certification)
Why do so Many Students Dislike Math?
Project Faculty Advisor: Dr. Ramiro Torres
Presented: Honors College Symposium, April 8, 2017
Graduated: Fall 2017, December 15, 2017
- Slifka, Delanie (Animal Science)
Flattened Fauna: A Comparison of Road Kill Numbers
Project Faculty Advisor: Dr. April Conkey
Presented: Honors College Symposium, April 14, 2018
Graduated: Spring 2018, May 18, 2018
- Smith, Alan L. (Mechanical Engineering)
Cost Analysis for Reusable Grey Water System
Project Faculty Advisor: Dr. Francisco Aguiñiga
Presented: Through Blackboard Collaborate on April 8, 2020
Graduated: Spring 2020, May 12, 2020
- Solis, Annalisa (English and Political Science – Dual Majors)
The Politics of Public Statues
Project Faculty Advisor: Dr. Nirmal Goswami
Presented: Honors College Symposium, November 19, 2022
Graduated: Fall 2022, December 9, 2022
- Soria, Dante (Biomedical Sciences)
Economics of General Dentistry
Project Faculty Advisor: Mr. Eric Winterbottom
Presented: Honors College Symposium, November 13, 2021
Graduated: Fall 2021, December 10, 2021
- Stolzer, Madeleine (Political Science and History, Dual History)
Townships and the Group Areas Act: Apartheid in South Africa
Project Faculty Advisor: Dr. Nirmal Goswami
Presented: Honors College Symposium, November 19, 2022 (Presented Early)
Graduated: Spring 2023, May 12, 2023

Stridde, William (History)

The French Revolution – A Family Drama

Project Faculty Advisor: Dr. Dean Ferguson

Presented: Honors College Symposium, November 22, 2014

Graduated: Fall 2014, December 12, 2014

Stroman, Savannah (Biomedical Sciences)

Testing of Antibiotic Treatments on Acne-causing Bacteria

Project Faculty Advisors: Dr. Richard Laughlin and Dr. Maria Velez-Hernandez

Presented: Honors College Symposium, April 8, 2017

Graduated: Spring 2017, May 12, 2017

Sulaica, Adrianna (Communication Sciences and Disorders)

Differences in Linguistic Characteristics in Letter Writing by Young Adults

Project Faculty Advisor: Dr. Angel Ball

Presented: Honors College Symposium, April 26, 2014

Graduated: Spring 2014, May 9, 2014

Sulaica, Jonathan (Geology)

Central Texas Well Core Study

Project Faculty Advisor: Dr. Thomas McGehee

Presented: Honors College Symposium, April 22, 2013

Graduated: Spring 2013, May 10, 2013

Summy, Tristan (Range and Wildlife Management)

Analysis of the Guide Industry

Project Faculty Advisor: Dr. William Kuvlesky

Presented: Honors College Symposium, April 27, 2019

Graduated: Spring 2019, May 17, 2019

Sutton, Dorothy (Industrial Management and Applied Engineering Technology)

Cacao and Cocoa Products: Tree to Bar

Project Faculty Advisor: Mr. Christopher Rabe

Presented: Honors College Symposium, April 27, 2019

Graduated: Spring 2019, May 17, 2019

Swaenepoel, Jodi (Environmental Engineering)

Predicting Constituents Loadings in the Lower Rio Grande Valley

Project Faculty Advisor: Dr. Tushar Sinha

Presented: Through Blackboard Collaborate on March 23, 2021

Graduated: Spring 2021, May 7, 2021

Szteiter, Shelby (Biomedical Sciences)

The Establishment of an Enzyme Linked Immunosorbent Assay Utilizing and L-Amino Acid Oxidase Antibody to Determine Venom Potency

Project Faculty Advisor: Dr. Elda Sanchez

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Tamez, Alistair (Psychology)

Literature Review of Depression, Anxiety, and the COVID Pandemic

Project Faculty Advisor: Dr. Donald Daughtry

Presented: Honors College Symposium, November 13, 2021

Graduated: Fall 2021, December 10, 2021

Thacker, Amanda (Biomedical Sciences)

Transient Microbiota on TAMUK Campus

Project Faculty Advisor: Dr. Richard Laughlin

Presented: Honors College Symposium, November 23, 2019

Graduated: Fall 2019, December 13, 2019

Thonsgaard, Matthew (Mechanical Engineering)

Simulating the Structural Properties of a Mechanical Glove

Project Faculty Advisor: Mr. Grady Isensee

Presented: Honors College Symposium, April 27, 2019

Graduated: Spring 2019, May 17, 2019

Toren, Cristian M. (Chemical Engineering)

The Fermentation of Corn to Ethanol

Project Faculty Advisor: Dr. Joseph Amaya

Presented: Through Blackboard Collaborate on April 8, 2020

Graduated: Spring 2020, May 12, 2020

Torres, Sarah (Mathematics)

Technology, Its Use in the Mathematics Classroom

Project Faculty Advisor: Dr. Nelson Warren Miller

Presented: Honors College Symposium, November 21, 2015 (presented early)

Graduated: Spring 2016, May 13, 2016

Tovar, Caitlin (Chemical Engineering)

Final Distillation Column in the Production of Ethyl Acetate from Ethanol and Acetic Acid

Project Faculty Advisor: Dr. Matthew Alexander

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Trebatoski, Seth (Chemical Engineering)

The Power Mechanism and Preparation of the Cheme Car
Project Faculty Advisor: Dr. Matthew Alexander
Presented: Honors College Symposium, April 8, 2017
Graduated: Spring 2017, May 12, 2017

Trevino, Ahren (Chemistry)

Qualitative Analysis of CBD Supplements using Gas Chromatography and
Mass Spectrometry
Project Faculty Advisor: Dr. Mauro Castro
Presented: Honors College Symposium, November 13, 2021
Graduated: Fall 2021, December 10, 2021

Trevino, Amaris C. (Chemical Engineering)

Running with the Bulls: ExxonMobil Internship Experience
Project Faculty Advisor: Dr. Nazmul Rahmani
Presented: Through Blackboard Collaborate on April 9, 2020
Graduated: Spring 2020, May 12, 2020

Tunnell, Parker (Biomedical Sciences)

Salmonella Typhimurium Interactions with Gut Microbiome
Project Faculty Advisor: Dr. Richard Laughlin
Presented: Honors College Symposium, November 23, 2019
Graduated: Fall 2019, December 13, 2019

Vargas, Richard (Kinesiology - EC-12 Physical Education with Teaching Certification)

The Impact of COVID on Education
Project Advisor: Professor Judith Bloomquist
Presented: Honors College Symposium, April 9, 2022
Graduated: Spring 2022, May 13, 2022

Vasquez, Bethany (Accounting)

Money Laundering Risks and Anti-Money Laundering Policies in Different Countries
Project Faculty Advisor: Dr. Genevieve Scalan
Presented: Through Blackboard Collaborate on November 12, 2020
Graduated: Fall 2020, December 9, 2020

Vencill, Allison (Chemistry)

A Multinational Perspective on Rural Healthcare
Project Faculty Advisors: Dr. Christine Reiser Robbins and Ms. Sue Nichols
Presented: Honors College Symposium, November 3, 2018
Graduated: Fall 2018, December 14, 2018

Vera, Sara Rose (Civil Engineering)

Rehabilitation of Greenwood Road - Wastewater Section

Project Faculty Advisor: Dr. Pat T. Leelani

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Villarreal, Carina (Criminology)

The Effective Recruitment of Transfer Honors Students at TAMUK and
at Other Peer Institutions

Project Faculty Advisor: Dr. Thomas M. Spencer

Presented: Honors College Symposium, July 27, 2018

Graduated: Summer 2018, August 10, 2018

Wagner, Michelle (Kinesiology)

Athletes' Perception of Motivation: Factors that Contribute to Sport Adherence

Project Faculty Advisor: Dr. Lorraine Killion

Presented: Honors College Symposium, November 21, 2015

Graduated: Spring 2016, May 13, 2016

Walker, Javon (Chemical Engineering and Mathematics – Double Degrees – different colleges)

Oily Sludge Degradation: A Bioremediation Approach

Project Faculty Advisor: Dr. Matthew Alexander

Presented: Honors College Symposium, November 4, 2017 (presented early)

Graduated: Spring 2018, May 18, 2018

Walz, William (Environmental Engineering)

Cost Analysis of a Hot Gas Stripping Technology

Project Faculty Advisor: Dr. Lucy M. Camacho

Presented: Honors College Symposium, July 8, 2016

Graduated: Spring 2016, May 13, 2016

Watson, Nicole (Mechanical Engineering)

Design of a Timing System for a Roller Coaster Pinewood Derby Track

Project Faculty Advisor: Dr. Larry Peel

Presented: Honors College Symposium, April 26, 2014

Graduated: Spring 2014, May 9, 2014

Webb, Bradley (Mechanical Engineering)

Material Selection for Underwater Turbines

Project Faculty Advisor: Dr. Sangsoo Lee

Presented: Honors College Symposium, April 8, 2017

Graduated: Spring 2017, May 12, 2017

Weiss, Abdullah (Mechanical Engineering)

Neutron Moderation Study in a Shield for a Fusion-based Neutron Source

Project Faculty Advisor: Dr. Xue Yang

Presented: Honors College Symposium, April 14, 2018

Graduated: Spring 2018, May 18, 2018

Westmoreland, Deven (Computer Science)

Automation Testing Framework

Project Faculty Advisor: Robert J. Diersing

Presented: Honors College Symposium, November 21, 2015

Graduated: Fall 2015, December 11, 2015

Whiddon, Caleb Marcus (Biomedical Sciences)

Cellular Growth Characteristics of *Salmonella* Typhimurium

Project Faculty Advisor: Dr. Richard Laughlin

Presented: Through Blackboard Collaborate on April 3, 2020

Graduated: Spring 2020, May 12, 2020

Whiddon, Elmer Court (Finance)

What is FDIC?

Project Faculty Advisor: Dr. William Procasky

Presented: Through Blackboard Collaborate on April 13, 2020

Graduated: Spring 2020, May 12, 2020

Whiddon, Olivia (Interdisciplinary Studies)

Analysis of Teacher Retirement Systems: Is Retirement Affordable in Texas?

Project Faculty Advisor: Sue Nichols

Presented: Through Blackboard Collaborate on April 7, 2020 (presented early)

Graduated: Fall 2020, December 9, 2020

White, Bradley (Communication Sciences and Disorders)

Auditory Attention Processing in Aphasia

Project Faculty Advisors: Dr. Angel Ball and Dr. Eric Swartz

Presented: Honors College Symposium, April 26, 2014

Graduated: Spring 2014, May 9, 2014

Williams, Brian (Electrical Engineering)

Senor Based Sleep Detection System for a Smart Alarm Clock

Project Faculty Advisors: Dr. Lifford McLauchlan

Presented: Honors College Symposium, April 27, 2019

Graduated: Spring 2019, May 17, 2019

Williams, Ronald (Biomedical Sciences)

Analysis of Promoter Activity through Expression of Assembled GAL4-pBIDPlasmid

Project Faculty Advisor: Dr. Enrique Massa

Presented: Honors College Symposium, April 8, 2017

Graduated: Spring 2017, May 12, 2017

Wilson, Kyle (Biomedical Sciences)

Quantifying Neurite Cell Growth in PC12 Cells

Project Faculty Advisors: Dr. Maribel Gonzalez-Garcia and Dr. Rafael Perez-Ballesteros

Presented: Honors College Symposium, April 30, 2016

Graduated: Spring 2016, May 13, 2016

Womack, John (Quinten) (Accounting)

The Impact of Initial Accreditation from AACSB International on the Enrollment of Three South Texas Universities

Project Faculty Advisor: Dr. Thomas Krueger

Presented: Honors College Symposium, April 26, 2014

Graduated: Spring 2014, May 9, 2014

Wong, Cailin L. (Animal Science)

Nitrate Reductase Impact on *Salmonella* Colonization of Bovine Macrophages

Project Faculty Advisor: Dr. Nastasha Bell

Presented: Through Blackboard Collaborate on April 2, 2020

Graduated: Spring 2020, May 12, 2020

Wood, Kelley (Range and Wildlife Management)

Industry Analysis of Education in Range and Wildlife Professional Careers

Project Faculty Advisor: Dr. April Conkey

Presented: Honors College Symposium, April 27, 2019

Graduated: Spring 2019, May 17, 2019

Wright, Avery S. (Music Education with Teaching Certification)

The Development of the Clarinet

Project Faculty Advisor: Dr. Andrea Vos-Rochefort

Presented: Honors College Symposium, November 23, 2019 (presented early)

Graduated: Spring 2020, May 12, 2020

Yuraitis, Amanda (Psychology and Communications – Dual Majors)

Sociosexuality: Can It Predict Relationship Satisfaction?

Project Faculty Advisor: Dr. Richard L. Miller

Presented: Through Blackboard Collaborate on Friday, July 24, 2020 (presented early)

Graduated: Fall 2020, December 9, 2020

Zaragoza, Amberly (Animal Science)

Regional Soil Judging Competition

Project Faculty Advisor: Dr. Shad Nelson

Presented: Honors College Singular Symposium, May 25, 2022

Graduated: Summer 2022, August 12, 2022

Zavala-Arrambide, Carla (Chemistry)

Biochemical Characterization of a Phospholipase A2 from Venom of
Two Different Snakes

Project Faculty Advisor: Dr. Elda Sanchez

Presented: Honors College Symposium, November 23, 2019

Graduated: Fall 2019, December 13, 2019

Zuniga, Amanda (Interdisciplinary Studies)

A Study of Teachers' Opinions on Inclusion as a Method for Serving
Special Education Students

Project Faculty Advisor: Dr. Jack A. Bradley

Presented: Honors College Symposium, April 30, 2016 (presented early)

Graduated: Fall 2016, December 9, 2016