LAUNCH RECOGNITION CEREMONY

May 10, 2021

“From Promise To Achievement”

LAUNCH UNIT OF UNDERGRADUATE STUDIES

Texas A&M University
THANK YOU
FOR SUPPORTING US

Programming by the LAUNCH office is made possible by:

Stephen Horn ‘79

Ralph & Barbara Cox
Welcome & Introduction
by Dr. Sumana Datta
Executive Director, LAUNCH

Student Awards
Remarks by Dr. Ann Kenimer
Associate Provost, Undergraduate Studies

Brown-Rudder, Gates-Muller, and
Selfless Service Awards

Outstanding Thesis Awards

Faculty Awards
Wells Fargo Honors Faculty Mentor,
Director’s, and Unterberger Awards

Distinctions and Graduate Recognition
GRADUATE RECOGNITION

College of Agriculture & Life Sciences
Agricultural Economics ......................... Fred Boadu
Animal Science ................... Jennifer Rhinesmith-Carranza
Bioenvironmental Sciences ........ Karen Beth Scholthof
Forensic Investigative Sciences ....... Craig Coates
Nutritional Sciences .................. Saundra Lopez

College of Architecture
Architecture ....................................... Weiling He

Mays Business School
Business Honors ................................... Kris Morley

College of Education & Human Development
Human Resource Development ........ Judy Sandlin

College of Engineering
Engineering Honors .......................... Kristi Shryock

College of Liberal Arts
Cornerstone Liberal Arts Honors ...... Leroy Dorsey
Communication ............................... Nancy Street
English .......................................... Apostolos Vasilakis
History ........................................... Robyn Konrad
International Studies .................. Maddalena Cerrato
Philosophy .................................... Linda Radzik
Political Science ..................... Vince Hernandez
Psychology ................................. Rebecca Schlegel
Society, Ethics & Law ..................... Linda Radzik

College of Science
Biology .......................................... Duncan MacKenzie
Mathematics ................................. Matt Young
Physics & Astronomy .................... Sherree Kessler
STUDENT AWARDS

Brown-Rudder, Gates-Muller, and Selfless Service Awards Presented by:

Dr. Suma Datta
Full Professor, Biochemistry & Biophysics
Executive Director, LAUNCH
Assistant Provost, Undergraduate Studies

Outstanding Thesis Awards Presented by:

Dr. Sarah M. Misemer
Associate Director and Full Professor
LAUNCH: Undergraduate Research
Dr. Ann Kenimer works with the academic colleges and other campus units to strengthen programs and services designed to help students successfully complete their undergraduate studies. She is a professor in the Department of Biological and Agricultural Engineering.

Since joining the Texas A&M University faculty in 1993 as an assistant professor, she has supported undergraduate learning experiences including experiential learning, academic assessment, honors, and study abroad opportunities. She provided leadership for academic programs in the College of Agriculture & Life Sciences from 2007 to 2011 as the Associate Dean for Academic Operations. From 2011 to 2012, she served as Associate Dean of Faculties.

A native of Virginia, Dr. Kenimer earned her bachelor’s and master’s degrees in agricultural engineering from Virginia Tech and her doctorate in agricultural engineering from the University of Illinois. She is a registered professional engineer in the State of Texas. She is active with the American Society of Agricultural and Biological Engineers and serves on the executive committee for the Engineering Accreditation Commission of ABET, the organization that accredits college and university programs in the disciplines of applied science, computing, engineering, and engineering technology.

Dr. Kenimer has been named a Presidential Professor for Teaching Excellence and has received The Association of Former Students’ Distinguished Achievement Award. She was also named a Piper Professor, an award established by the San Antonio-based Minnie Stevens Piper Foundation, in 2007. In 2009, she was named an Outstanding Alumna from Virginia Tech’s College of Agriculture & Life Sciences.
BROWN FOUNDATION
EARL RUDDER MEMORIAL
OUTSTANDING STUDENT AWARD

Through a gift from the Brown Foundation of Houston, Texas, the Brown Foundation-Earl Rudder Outstanding Student Award was established to honor the memory of the late President Earl Rudder and to provide public recognition to outstanding senior students graduating each year from Texas A&M University. Each college may nominate up to two students. Those nominated by the individual colleges are listed below. Final selection for the Brown-Rudder award is subject to approval by the President.

2021 Brown-Rudder Nominees

Said Aweis, School of Public Health
Elena Bacon, Mays Business School
Leanne Blind-Doskoci, College of Geosciences
Amy Briscoe, College of Vet. Med. & Biomedical Sciences
Charlotte Deere, College of Liberal Arts
Kaydee Free, College of Agriculture & Life Sciences
Melissa Glass, College of Engineering
Joshua Korb, College of Vet. Med. & Biomedical Sciences
Jared Labus, College of Architecture
Madeleine Maybury, College of Nursing
Tara McCoy, School of Public Health
Stephan Miller, School of Public Health
Kathryn Moore, College of Architecture
Kiersten Potter, College of Engineering
Payton Ramsey, College of Agriculture & Life Sciences
Karthik Rao, College of Science
Jake Shatzer, College of Liberal Arts
Desirea Sifuentes, College of Education
Mark Sterling, Mays Business School
Chloe Todd, College of Science
Kara Williams, College of Nursing
ROBERT M. GATES–MULLER FAMILY OUTSTANDING STUDENT AWARD

Through a gift from the Muller Family of Galveston, Texas, the Robert Gates-Muller Family Outstanding Student Award was established to honor former President Robert Gates and to provide public recognition to outstanding senior students graduating each year from Texas A&M University. Each college may nominate one student to be considered by a special committee appointed by the Assistant Provost for Undergraduate Studies. Those nominated by the individual colleges are listed below. From these nominations, the committee selects the award recipient(s). Final selection for the Gates-Muller award is subject to approval by the President. The award is presented at the LAUNCH Recognition Ceremony.

2021 Gates-Muller Nominees

Elena Bacon, Mays Business School
Leanne Blind-Doskocil, College of Geosciences
Kyrie Garlic, College of Liberal Arts
Kendall Gibson, College of Engineering
Alexander Iacobucci, College of Vet. Med. & Biomedical Sciences
Shelby Lepley, College of Agriculture & Life Sciences
Madeleine Maybury, College of Nursing
Tara McCoy, School of Public Health
Josey Meyer, College of Architecture
Desirea Sifuentes, College of Education
Chloe Todd, College of Science
Through a gift from the Class of 1980 the E. King Gill Selfless Service Award was established to honor the senior who best exemplified the Core Value of Selfless Service. Each college may nominate one student to be considered by a special committee appointed by the Assistant Provost for Undergraduate Studies. Those nominated by the individual colleges are listed below. From these nominations, the committee selects the award recipient. Final selection for the Selfless Service award is subject to approval by the President.

**2021 Selfless Service Nominees**

- **Said Aweis**, College of Education
- **Matthew Dew**, College of Science
- **Sarah Duncan**, Mays Business School
- **Simon Holmes**, College of Liberal Arts
- **Jared Labus**, College of Architecture
- **Holly Novak**, School of Public Health
- **Alexandra Ramos**, College of Engineering
- **Nooran Riaz**, College of Agriculture & Life Sciences
- **Sabina Romero**, College of Nursing
- **Suman Vadlamani**, College of Vet. Med. & Biomedical Sciences
Balaenopterids are among the largest animals to have lived on earth, yet they are often the most elusive to research. Despite their size, we are still discovering new populations. As technology and the sciences converge, advancements in instrumentation are meeting the challenges where whale study and ocean research intersect. Multisensory bio-logging tags are at the forefront of research innovation able to customize a suite of sensors for remote observation of animals in extreme environments. Biotag data translate to behaviors that enable quantification of vital statistics and inform on individual and population health. Balaenopterids have a distinct feeding behavior termed lunge-feeding which exhibits a unique energetic signature. Quantifying these lunges provides information on dive efficiency, metabolic rates, feeding ecology etc. For this study, fin whale (Balaenoptera physalus) lunging depth was analyzed from 24 biotags deployed from 2010-2018 in southern California for 247 hrs. of recorded data. A generalized additive modeling framework was used to test whether lunge depth (deep, greater than 135m or shallow, less than 135m) was dependent on the time of day (day or night by way of hour), season (spring, summer, or fall) and region (Inshore North, Inshore Central, Offshore). There were distinctions found in depth of lunges over the course of 24hrs with deep lunges occurring primarily during the day and shallow dives at night, likely following a diurnal prey migration pattern. Seasonal distinction in frequency and depth of lunges was also observed, with feeding-lunge depth and frequency increasing from spring, through summer, peaking in the fall. Standardization of rapid analysis using machine learning could lead to improved predictions of whale aggregations based on these feeding behaviors. Correlation of feeding whale density with krill aggregation has the potential of producing real-time density probability predictions of whales, based on the more easily monitored real-time krill densities through low-cost, low maintenance, autonomous systems.
Two Sides to Every Coin: An Analysis of Julio-Claudian Women on Imperial Roman Coinage

While Imperial Roman coinage is a highly studied topic by historians and archaeologists alike, there is still a major gap in this area with regard to the women who appear on it. Many studies have been done on individuals such as Livia, Agrippina the Younger, both Faustinae, and Julia Domna, but none have been completed in a comparative sense. This paper looks at the imperial coinage of the Julio-Claudian dynasty, who set the standards for the Principate period of ancient Rome, in order to determine the similarities and differences between each emperor’s chosen depictions of their female family members.

Individual elements shown on these coins were analyzed for symbolic meanings that may shed light onto the specific purposes of each complete image. Following this analysis, Categories A-M were created to discuss elements that were often shown together and to examine how their combination affected the overarching message being relayed. In doing this, four points of emphasis were identified: influence, dynasty, Ceres, and the imperial cult. Influence was the most common point of emphasis, as it merely functioned to depict a Julio-Claudian woman as important in her own right. Claudius was the most innovative emperor, creating the Ceres point of emphasis in which the common matronly role found on coinage was given a divine aspect, associating the women with the matron goddess of the harvest, Ceres. The dynastic point was solely associated with sisters and daughters, while the imperial cult point of emphasis used the priestess within the family to bolster worship of the imperial regime.

Overall, mothers were the most critical relationship for each emperor (except Augustus), following typical Roman familial custom. Wives were only eligible for minting if they were married to the Emperor during his reign and produced heirs to the throne, with the exception of Poppaea Sabina, who was minted without giving birth to a male. Five of the eleven women who were minted make up the majority of the depictions. The most notable of these women is Agrippina the Younger, who was illustrated on nineteen of the forty-seven coins in this assemblage. This is most likely due to her numerous roles within the imperial family (sister, wife, and mother) as well as her ambitious personality and Augustan lineage.
The coronavirus, or COVID-19, is a highly contagious respiratory virus caused by SARS-CoV-2 that has plagued our world for over a year now. The virus brought to light the many ways we were unprepared for the initial outbreak as well as all of the devastating deaths, job losses, shutdowns, and food shortages that followed. In a world where natural disasters, global pandemics, and unforeseen dangers are increasingly becoming more apparent, the role of architects has come into prominence. Oftentimes, as uncalculated disasters occur, they tend to have a series of destructive capabilities: communities are displaced, mass casualty incidents arise, and buildings are demolished.

In the midst of the COVID-19 pandemic, hospitals experienced an influx of patients and a lack of adequate space to effectively provide shelter and medical treatment for critically ill individuals. With healthcare facilities exceeding their servicing capabilities, and large volumes of people around the globe progressively becoming exposed and infected with the coronavirus, there has been an increasing demand for rapidly built alternate care sites to care for those in need. Thus, with the implications of COVID-19, architecture, as both a discipline and profession, has been brought to the forefront of global attention as a potential solution for “surge capacity.”

The goal of this study was to research the most effective ways of creating and transforming architecture to be adapted as an alternate care facility for a surge, or rapid influx, of patients in need of medical attention and currently lacking a place to receive it. Through real world scenarios and prospective architecture, this study, a survey of existing and successful alternate care sites, aims to propose future solutions for alternate care sites through research and design-based studio projects. Alternate care sites, or “surge facilities,” are made from pre-existing or newly built spaces that allow for necessary hospital operations when hospitals are unable to provide care for the overflow of incoming patients.
FACULTY AWARDS

Wells Fargo Faculty Mentor Award
Presented by:

Ms. Lexie Parrish
President
Honors Student Council

Director’s and Unterberger Awards
Presented by:

Dr. Jonathan Kotinek
Director
LAUNCH: Honors
The Wells Fargo Honors Faculty Mentor Award recognizes and rewards Honors faculty members whose dedication and commitment to excellence in education is truly outstanding. These faculty members encourage a spirit of inquiry in their students, are thoughtful teachers, and exhibit the strongest desire to train a new generation of thinkers and creators. This award is of special significance because recipients are nominated and selected by Honors Students.

The 2021 Wells Fargo Faculty Mentor Award goes to Dr. Maddalena Cerrato.

See bio on following page.
The Director’s Award for Outstanding Service to Honors Programs was created in 2010 to recognize significant contribution to and support of the efforts of the University Honors Program on campus.

The 2021 Director’s Award goes to Dr. Maddalena Cerrato.

Maddalena Cerrato is an Assistant Professor in the Department of International Studies and her research focuses on the intersections among European contemporary political and theoretical philosophy, critical theory, and the new growing field of global studies. Dr. Cerrato started working as an instructor in the Department of International Studies at A&M in 2014, after finishing her PhD in Political and Theoretical Philosophy at the Italian Institute for Humanities. Since 2017, she has been INTS Director of Undergraduate Studies and Director of the INTS Honors Program.

In 2017, Dr. Cerrato started reforming the INTS honors program to enhance honors students’ academic experience in the department and offering them individualized mentoring and support throughout their undergraduate experience. In particular her focus has been on giving students the opportunity to engage in scholarly research and to acquire some teaching experience to better prepare them to pursue a graduate education. Since 2018, she has directed or co-directed 18 honors theses in global Studies with diverse focuses and geographic areas of concentration.
In 2004, the Betty M. Unterberger Award for Outstanding Service to Honors Education was created and presented to Dr. Unterberger in recognition of her many years of service and significant contribution to the growth and development of honors education at Texas A&M.

The 2021 Unterberger Award goes to Dr. Charles Conrad.

Charles Conrad is a first-generation college student whose undergraduate work at Northwestern University was funded by the National Merit Corporation and the Alfred Harcourt Foundation. He received his MA and PhD in Rhetoric and Organizational Communication from the University of Kansas. He has received research awards from the National Communication Association (NCA) and the Southern Communication Association, and won more than a dozen college-and-university level teaching awards at UNC-Chapel Hill and TAMU, including the 2007 Honors Teacher/Scholar Award. In 2003 he received the Donald Ecroyd Award for
Outstanding Teaching in Higher Education, given annually to one person by the National Communication Association.

Dr. Conrad's significant contribution to Honors has included teaching, research mentorship, and program administration. He has taught several Honors courses over the years including Public Speaking, Organizational Communication, Strategic Communication, and Communication, Organizations, and Society. Dr. Conrad has also served as thesis advisor for students completing the Undergraduate Research Scholars program and has served as faculty advisor for Explorations: The Undergraduate Journal. Most recently, Dr. Conrad served as the chair for the Communication Honors program.
DISTINCTIONS AND GRADUATE RECOGNITION
UNIVERSITY-LEVEL DISTINCTIONS

Honors Fellows

Students graduating with Honors Fellows must have completed at least 30 hours of Honors course credit, including 9 hours in the University Core Curriculum and 12 hours in 300-400 level courses. Additionally, all Honors Fellows have completed a capstone, including the Undergraduate Research Scholars program, the Undergraduate Teacher Scholars program, the Undergraduate Service Scholars program, or a departmental capstone. Honors Fellows are required to remain active with the Honors Student Council and make an annual update to their ePortfolios.

Undergraduate Research Scholars

Undergraduate Research Scholars engage in a two-semester research project conducted under the supervision of a Texas A&M faculty mentor that culminates in a written thesis or other scholarly project. The objective of the program is to involve any qualified undergraduate student in a research project that emulates the “graduate student” experience and to introduce the student to the academic publication process and the scholarly community.
COLLEGE-LEVEL DISTINCTIONS

Business Honors

Mays Business School’s Honors Program admits a freshman honors class each year. Students in the program pursue a Business Honors major and have the option to double major in another business discipline. The business honors students recognized this evening have completed at least 30 credit hours of honors courses, 24 of which are in business and 6 are outside of business.

Engineering Honors

The College of Engineering offers the Engineering Scholars Program in which students complete 18-21 credit hours in honors courses. The capstone of the Engineering Scholars Program is the student’s research project, which is supervised by an engineering professor.

Cornerstone Liberal Arts Honors

To ensure a broad liberal arts experience, the program requires students to take 18 hours of honors coursework. 12 of those 18 hours must be taken in at least 4 different Liberal Arts departments. Finally, 9 of those 12 hours must be at the upper-level. Additional options to meet the 18 hour requirement are available and encouraged for an even broader experience. Students may earn up to 6 hours of the total 18 needed by combining things like Honors research, Honors Service Learning, earning Honors credit from outside the College, and Study Abroad.
DEPARTMENT-LEVEL DISTINCTIONS

Honors in Agricultural Economics

The Department of Agricultural Economics at Texas A&M University offers an honors program to qualified, academically talented, and highly motivated students. An honors student’s college experience is enriched by following a challenging curriculum, engaging in inquiry-based learning, and discovery. Honors students work closely with the renowned faculty at Texas A&M University, acquiring the discipline and skills to engage in independent research that can be particularly useful if planning to attend graduate or professional school. Since honors class sizes are usually small, students get an opportunity to develop the vital problem solving and critical thinking skills that are needed in the search for solutions to the myriad of problems facing the global community. Honors students are encouraged to compete for such prestigious scholarships as the Rhodes, Marshall, Goldwater, and the Fulbright. The honors program offers students an effective entry into a fruitful and rewarding professional career through participation in innovative co-curricular and leadership activities.

Honors in Animal Science

Animal Science Honors offers scientific training and hands-on experience, student clubs and judging teams.

Honors in Architecture

Architecture Honors enhances learning opportunities, providing creative approaches to responsible design of the built environment.

Honors in Bioenvironmental Sciences

Bioenvironmental Sciences Honors is a multi-disciplinary program focused on environmental issues with maximum flexibility.
Honors in Biology

The Biology Department Honors Program is open to highly talented and motivated students pursuing a major in any of our degree plans. Honors students will be part of a vibrant community within the department with enriched learning experiences in both the classroom and biology research laboratories.

Honors in Communication

Communication Honors offers compelling approaches to course content and strong relationships with faculty and peers.

Honors in Educational Human Resource Development

The Human Resource Development (HRD) Honors Program provides expanded study and broad-based opportunities for our most academically gifted and scholarly advanced majors.

This 18-hour program is designed to challenge the interests and abilities of our students and to provide specific benefits including: Individual instruction and advanced study relevant to the academically distinguished HRD majors, engaging and compelling approaches to the delivery of course content such as smaller classes, seminars, and the like, Student-centered study via honors course contracts, participation in high impact HRD programs such as professional development opportunities, participation in study abroad trips, service learning projects, or capstone research projects directed by HRD faculty, and increased interaction with successful and highly motivated faculty in preparation for professional or graduate school admission.

Honors in English

English Honors offers opportunities in academics, research, service learning and professional development.
Honors in Forensic Investigative Sciences

The Honors Program in Forensic & Investigative Sciences is a commitment to high-achieving students to provide an enriching, engaging, and relevant educational experience.

Honors in History

History Honors offers advanced work in small classes, individual research opportunities and professional development for highly motivated students.

Honors in International Studies

The degrees and programs contained in International Studies combine clearly defined intellectual area options with in-depth linguistic and cultural expertise, coupled with high-impact international experiences through study abroad.

Honors in Mathematics

Mathematics Honors provides mentoring, travel, and research opportunities as well as eligibility for our five-year BS/MS program.

Nutrition Honors

Nutrition Honors is designed for intellectually motivated students who are majoring in Nutritional Sciences and want to participate in an honors curriculum specific to this major. Opportunities exist for interested honors students to be involved in the research program of a faculty member in nutrition.

Honors in Philosophy

Honors students pursue advanced coursework and complete an independent, year-long research project under the guidance of a faculty mentor.
Honors in Physics & Astronomy

Honors provides opportunities for more advanced and challenging work to academically distinguished and motivated students. Most Physics and Astronomy courses have honors sections with enriched learning experiences. Honors students are expected to conduct independent research under the supervision of our faculty. All honors courses will be denoted as honors on students’ official transcripts. Furthermore, students completing the honors program will have the departmental honors distinction, as well as any earned university or college distinction, noted on the official transcript.

Honors in Political Science

Political Science Honors provides a broad perspective and opportunities for cutting edge research.

Honors in Psychology

Psychology Honors includes small classes with outstanding undergraduates and research projects with faculty.

Honors in Society, Ethics & Law

Honors students pursue advanced coursework and complete an independent, year-long research project under the guidance of a faculty mentor.

For a full listing of Honors programs available at Texas A&M, visit honorsprograms.tamu.edu.
Latin Honors

Students graduating with Latin honors distinctions have enrolled in and successfully completed a minimum of 60 undergraduate semester hours required for the baccalaureate degree. The category of Latin honors attained (summa cum laude, magna cum laude, or cum laude) is determined by grade point ratio (3.5 to 4.0) of all credit hours attempted at Texas A&M University, excluding transfer hours.

At commencement, students who have completed a university-, college-, or departmental-level Honors distinction wear a gold satin stole or special medallion. The gold stole is also worn by students who earn Latin Honors distinction.

All regalia for May 2021 graduates will be distributed by the Registrar’s office at graduation ceremonies.
CAPSTONE PROGRAMS

A capstone is a culminating experience that allows a student to bring the learning and experience of their undergraduate education together to address an issue or question that interests them. All capstones are year-long experiences that require a proposal demonstrating preparation for the project, are overseen by a faculty mentor or similar expert, result in a scholarly project appropriate for the field, and require a public presentation.

In addition to the Undergraduate Research Scholars program, LAUNCH coordinates the following capstone programs:

**Undergraduate Leadership Scholars**

Develop an enhancement project for a student organization based on a leadership model or theory.

**Undergraduate Service Scholars**

Collaborate with a community agency and create a project that focuses on service.

**Undergraduate Teacher Scholars**

Enhance an existing course or create and teach a seminar on a topic of interest.

**Undergraduate Performance Scholars**

Explore the impact that art has had on their academic career at Texas A&M.

*Learn more about LAUNCH: Capstones at capstones.tamu.edu.*
Explorations: The Texas A&M Undergraduate Journal

Explorations: The Texas A&M Undergraduate Journal is student-run, interdisciplinary publication dedicated to fostering undergraduate research and scholarly work in all fields. The journal welcomes research, scholarly and creative submissions of general interest from any discipline. Explorations showcases the most cutting-edge, original, and student-driven scholarship by undergraduates pursuing intellectual and aesthetic experiences outside of the classroom. The undergraduate work chosen for publication will highlight curiosity, innovation, and independence, all core values of the university’s current Quality Enhancement Plan, Aggies Commit to Life-long Learning. Recently published articles have been from a wide range of academic fields and disciplines in the humanities, the STEM fields, and creative works.

The following graduates have been leaders for or are published in Explorations:

**Board Members**

Andrea Meier, Editor-in-Chief, Civil Engineering  
Adheeta Dongre, Biomedical Sciences  
Jiles Finch, Biomedical Sciences

**Volume 12 Published Authors**

Ian Xia, Biomedical Engineering  
Luke Sullivan, Economics  
Karthick Rao, Physics  
Zachary Skrehot, Accounting  
Francisco Anaya, Environmental Design Architecture Studies

**Pending Publication in Volume 13 (Fall 2021)**

Leah Bogan, Marine Biology  
Madilyn Feik, Biomedical Sciences  
Hanna Hudson, Biomedical Sciences, Madilyn Feik, Biomedical Sciences, Brooke Grieme, Biomedical Sciences, Eileen Chen, Biomedical Sciences, and Robert Hayes, Biomedical Sciences  
Christopher Chaftari, Biomedical Engineering  
Kathryn Gray, Psychology

Learn more at explorations.tamu.edu.
Undergraduate Research Ambassadors

Undergraduate Research Ambassadors work to inspire broader engagement in undergraduate research by educating and serving the Texas A&M University community. These students represent LAUNCH: Undergraduate Research at research, recruiting, and outreach events. Experienced undergraduate researchers with outstanding oral communication skills and the passion for helping others understand the importance of research are selected for the program. Ambassadors from multiple disciplines are chosen each year, trained in presentation and leadership, and participate in a variety of activities including meeting with highly placed members of the University Administration, distinguished faculty, outstanding alumni, prospective students, and parents.

We extend our deepest appreciation to the following students for their service to the undergraduate research community:

Charlotte Nicole Deere, Anthropology
Alexandra Bishop, Biology
Cora Garcia, Biomedical Sciences
Patrick Hall, Biomedical Engineering
Oola Eldow, Biomedical Science
Hannah Horcha, Political Science

Learn more at tx.ag/AskUsAboutUGR.
Honors Housing Community Student Leaders

The first-year experience in the University Honors Program plays an important role in the development of many of our Honors Students. The programming in the Honors Housing Community would not be possible without the many hours of volunteer work that our Sophomore Advisors (SAs) and Junior Advisors (JAs) invest in helping their freshman families to learn and grow.

We want to share our sincere gratitude and warm regard for our graduating student leaders!

Caroline Kibby, English
Kevin Kuriachan, Computer Science
Alysabeth Lipman, International Studies
Regan Mangham, Biomedical Sciences
Mashal Mithani, Biomedical Engineering
Lexie Parrish, Kinesiology
Rachel Strahm, Biology
Jared Streeter, Applied Mathematical Sciences
University Scholars

The University Scholars Program identifies students who embody academic leadership and enhances the personal and professional development of these students. The intention of the program is to not only identify the most innovative, curious, and motivated students, but to also challenge them to use their talents to the fullest.

Mustafa Ahmad, Public Health
Alexis Couch, International Studies
Cora Garcia, Biomedical Sciences
Emma Haschke, Biomedical Sciences
Joshua Korb, Biomedical Sciences
Texas A&M University Beckman Scholars

Beckman Scholar institutions are a part of an elite and carefully-selected cohort, and participation is strictly invitation-only. The Arnold and Mabel Beckman Foundation identifies colleges and universities that will receive Beckman Scholars application invitations. The extremely thorough selection process is a two-part review led by a panel of scientific experts. Institutions are chosen based on their dedication to undergraduate research in chemistry, biology and/or combinations thereof and their ability to compete in national level programs.

The Beckman Foundation supports researchers and institutions as they create new areas of chemical and biological research. Beckman Scholars are identified as the top undergraduate students majoring in specific science fields during their freshman year. Once selected, Beckman Scholars start receiving a generous stipend and begin their research careers under the supervision of designated Beckman faculty mentors the summer prior to their sophomore year. Beckman Scholars continue their research projects through graduation and also participate in activities such as leadership development, networking opportunities, review and publication of scientific research, and preparation for National Fellowship, graduate, or professional school applications.

We want to congratulate our graduating Beckman Scholar:

Cody Martin, Biochemistry and Genetics
Distinction Recipients

MAY 2021
Amanda J. Aboujaoude  
Major: Electrical Engineering  
Minor: Mathematics  
*Engineering Honors, Undergraduate Research Scholar*  
Thesis Title – Light Fidelity Tracking System

Mustafa M. Ahmad  
Major: Public Health  
Minors and Certificate: Economics, Geography, and Adv International Affairs Cert  
*Honors Fellows, Undergraduate Teacher Scholar*

Shoaib F. Ahmed  
Major: Mechanical Engineering  
Minors: Mathematics and Electrical Engineering  
*Engineering Honors*

Avery E. Alban  
Major: Communication  
Minor and Certificate: Business, Social Media  
*Honors in Communication*

Rabia Ali  
Major: Biomedical Engineering  
*Undergraduate Research Scholar*  
Thesis Title - In-Vitro Real-Time Degradation of "Self-Fitting"

Brady K. Allen  
Major: Aerospace Engineering  
Minor: Mathematics  
*Engineering Honors, Honors Fellows*

Luma M. Al-Mahbobi  
Major: Chemistry  
*Undergraduate Research Scholar*  
Thesis Title – Ring-Puckering Potential Energy Functions Calculations for Fluorocyclbutanes, Chlorocyclobutanes and Bromocyclobutanes

Gabrielle M. Amaya  
Majors: English and Communication  
*Honors in English*
Francisco Anaya
Major: Environ Design Arch Studies
Minor: Architectural Fabrication & Product Design
*Undergraduate Research Scholar*
Thesis Title - The Problem of Entourage

Julio P. Arroyo
Major: Biomedical Engineering
*Undergraduate Research Scholar*
Thesis Title - Hydrogels Stabilized via Novel Click Chemistry-Enabled Secondary Interactions for Cell Culture

Megan A. Babowicz
Major: Biomedical Sciences
*Honors Fellows, Undergraduate Research Scholar*
Thesis Title – Protocol Optimization of qPCR for Analysis of the Effects of Antibiotics on Multidrug-Resistant Salmonella Populations in Swine

Elena A. Bacon
Majors: Business Honors and Finance
Minor and Certificate: Psychology and Intl Business Studies
*Business Honors*

Marina D. Baez
Majors: Business Honors and Marketing
*Business Honors*

Ida Balakrishna
Major: Political Science
Minor: Computer Science
*Honors in Political Science*
Thesis Title – The Politics of the Pandemic

Andrea N. Ballesteros Elizalde
Major: Visualization
*Undergraduate Research Scholar*
Thesis Title – Nursing Virtual Reality Training Program for SBIRT (Screening, Brief Intervention and Referral to Treatment)
Andrew R. Balog  
Major: Materials Science & Engineering  
Minor: Business  
*Engineering Honors*

Madelyn S. Balusek  
Majors: Business Honors and Management  
Minor: Nonprofit & Social Innov  
*Business Honors*

Stephen P. Barney  
Major: Mechanical Engineering  
*Engineering Honors*

Spencer L. Beaumariage  
Major: Chemical Engineering  
*Engineering Honors*

Davis S. Beilue  
Major: Computer Science  
Minors: Cybersecurity and Mathematics  
*Engineering Honors, Undergraduate Research Scholar*  
Thesis Title - Defending Cryptography Against Quantum Attackers

Nicolas P. Belgum  
Major: Aerospace Engineering  
Minor: Mathematics  
*Engineering Honors*

Jason D. Bensmiller  
Major: Mechanical Engineering  
*Engineering Honors*

Grace Bentien  
Major: Communication  
Certificates: Professional Event Manager and Social Media  
*Honors in Communication*

Caleb M. Bertram  
Major: English  
Minor: Philosophy Pre-Law  
*Undergraduate Research Scholar*  
Thesis Title – Andrzej Sapkowski’s Witcher Series: Fantasy’s Appropriation of Modern Political Landscapes
Arbin R. Bhuiyan
Major: Computer Science
Minor: Cybersecurity
Engineering Honors, Undergraduate Research Scholar
Thesis Title – Service Store Model And Tools For Fresco

Alexandra E. Bishop
Major: Biology
Minors: Bioinformatics and Philosophy
Honors Fellows, Undergraduate Research Scholar
Thesis Title - In Search of the Proximate Factors Triggering Anthrax Epidemics: Simulation of Plasmid Transfer and Persistence in Bacillus Communities Outside of the Host

Cherese Bishop
Majors: Business Honors and Marketing
Minor: Psychology
Business Honors

Christopher A. Bitter
Majors: Business Honors and Finance
Business Honors

Ryan M. Blanchard
Major: Biomedical Engineering
Engineering Honors, Undergraduate Research Scholar
Thesis Title – Modeling the Protein Corona of Gold Nanoparticles in the Systemic Circulation

Sarah E. Bludau
Major: Animal Science
Minors: Agricultural Economics and Meat Science
Honors in Animal Science, Undergraduate Research Scholar
Thesis Title – Evaluation of an Amino Acid Based Alternative Curing System on the Physiochemical and Shelf-Life Attributes of Beef Frankfurters

Meghan O. Blumenthal
Major: Psychology
Honors in Psychology
Alexander M. Bogdan
Major: Biomedical Engineering
Engineering Honors

Trevor A. Bolton
Major: Computer Science
Minor: Mathematics
Engineering Honors, Undergraduate Research Scholar
Thesis Title – The Intersection of Function-as-a-Service and Stream Computing

Benjamin W. Borer
Major: Biomedical Engineering
Engineering Honors

Caroline C. Bornman
Majors: Business Honors and Management
Business Honors

Nicholas R. Borynack
Major: Aerospace Engineering
Engineering Honors

Mackenzie E. Boudreaux
Major: Nutrition
Minor: Health
Nutritional Sciences Honors

Brittany L. Bowles
Major: Communication
Minor: Public Health
Honors in Communication

Emily R. Bowlin
Major: Kinesiology
Undergraduate Research Scholar
Thesis Title - Increasing Hamstring Strength and Flexibility During Arabesque in Collegiate Dancers

Bryce W. Boyd
Majors: Business Honors and Finance
Minor: Sport Management and Financial Planning
Business Honors
Logan M. Brabson
Major: Chemical Engineering
Minor: Computer Science
Engineering Honors

Celeste A. Branstrom
Major: Biological & Agricultural Engineering
Minor: Communication
Engineering Honors

Amy E. Briscoe
Majors: Biomedical Sciences and Entomology
Honors Fellows, Undergraduate Leadership Scholar

Faith E. Brock
Major: English
Cornerstone Liberal Arts Honors, Honors in English

Luke V. Brock
Major: University Studies - Society, Ethics & Law
Minors: Philosophy and Business
Honors in Society, Ethics & Law, Undergraduate Research Scholar
Thesis Title – Copyright Law, Music, and Creativity

Macee M. Brotherton
Major: Business Honors
Minor: English
Business Honors

Adlie J. Brown
Major: Computer Science
Minors: Statistics and Cybersecurity
Engineering Honors, Honors Fellows, Undergraduate Research Scholar
Thesis Title – Analyzing TnSeq Data to Predict Insertion Counts in M. Tuberculosis

Paige E. Browne
Majors: Business Honors and Management
Minor: Prof Event Manager
Business Honors

Ashley B. Bruno
Major: Mechanical Engineering
Minor: Communication
Engineering Honors, Honors Fellows

Bayley C. Bryant
Major: Telecommunication MediaStudies
Minor: Social Media
Honors in Communication

Grace K. Bulkeley
Major: Kinesiology
Undergraduate Research Scholar
Thesis Title – Can Dance be used Effectively to Communicate Life Events: Intrapersonal Analysis.

Stephanie G. Bullard
Majors: Business Honors and Finance
Business Honors

Espyn A. Burks
Major: Communication
Minor: English
Honors in Communication

Andrew M. Burton
Degrees: B.S. Molecular & Cell Biology and B.A. Spanish
Honors in Biology

Ashley M. Burton
Major: Communication
Minor: Business
Honors in Communication

Lauren G. Busker
Major: Communication
Minor: Business
Honors in Communication
Olivia R. Butaud  
Major: Biology  
*Honors in Biology*

Alexandra P. Campbell  
Major: Biomedical Sciences  
Minors: Neuroscience and Dance  
*Undergraduate Research Scholar*  
Thesis Title – Holding Oneself Accountable: Reactive Attitudes Borne Towards the Self

Jesse C. Cate  
Major: Aerospace Engineering  
Minor: Mathematics  
*Engineering Honors*

Jared L. Cathey  
Major: Physics  
Minor: Astrophysics  
*Honors in Physics & Astronomy, Undergraduate Research Scholar*  
Thesis Title – Radial Velocity Properties of Binary CEMP-r/s Stars

Michael J. Chacko  
Major: Computer Science  
Minor: Cybersecurity  
*Engineering Honors, Undergraduate Research Scholar*  
Thesis Title – Service Store Model And Tools For Fresco

Christopher P. Chaftari  
Major: Biomedical Engineering  
*Engineering Honors*

Hannah M. Chambers  
Major: Ag Communications & Journalism  
*Undergraduate Research Scholar*  
Thesis Title – Texas State Parks and the Effect of COVID-19 on Their Communication Styles and Frequencies
David Chapa
Major: Computer Engineering - CEEN
Minor: Mathematics
*Engineering Honors, Undergraduate Research Scholar*
Thesis Title – Instruction Prefetchers and Cache Replacement Policies

Marie A. Chapa
Major: Environ Design Arch Studies
Minor: Sustainable Architecture & Planning and Urban Planning
*Undergraduate Research Scholar*
Thesis Title - Architectural Modernism at the Texas A&M University Campus

Charles B. Chapman
Major: Electrical Engineering
Minor: Computer Science
*Engineering Honors*

Samantha Chapman
Major: Nutrition
Minors: Genetics and Spanish
*Nutritional Sciences Honors*

Emily M. Cheong
Major: Biomedical Sciences
Minor: Neuroscience
*Undergraduate Research Scholar*
Thesis Title – Antipsychotic Drug-Induced Damage in the Basal Ganglia as a cause of Parkinsonism: A Review of the Literature

Megan K. Cherry
Major: Communication
Minors: Philosophy and Youth Development
Certificates: Comm Divers & Social Justice, Diversity (LA)
*Cornerstone Liberal Arts Honors, Honors in Society, Ethics & Law*

Thomas R. Chin
Major: Chemical Engineering
*Engineering Honors*
Alex J. Christian
Major: Computer Engineering - CEEN
Minor: Mathematics
Engineering Honors, Undergraduate Research Scholar
Thesis Title – Instruction Prefetchers and Cache Replacement Policies

Kelsey E. Clements
Major: Communication
Minor: Human Resource Development
Honors in Communication

Josiah D. Coad
Degrees: B.S Computer Science and B.S. Applied Mathematical Sciences and Statistics
Engineering Honors, Honors Fellows, Undergraduate Research Scholar
Thesis Title – AFRL: Action Forecasting Reinforcement Learning

Karisa A. Coe
Majors: Business Honors and Marketing
Certificate: Nonprofit & Social Innov
Business Honors

Harrison R. Coker
Majors: Renewable Natural Resources and Forestry, Ecology & Conservation Biology
Undergraduate Research Scholar
Thesis Title – Ecohydrology of the Post Oak Savanna

Bryan J. Coleman
Major: Chemical Engineering
Certificate: Engineering Therapeutics Manufacturing
Engineering Honors

Alexis M. Couch
Majors: International Studies and Spanish
Cornerstone Liberal Arts Honors, Honors in International Studies, Honors Fellows
Faith V. Courville
Major: Communication
Certificate: Comm Ldrshp & Conflict Mgmt
Honors in Communication

Madison A. Cowart
Major: Political Science
Minor and Certificate: Economics, Adv International Affairs Cert
Undergraduate Research Scholar
Thesis Title – Antisemitism, Secularism, and the Catholic Church in The European Union

Isabelle A. Cross
Major: English
Minor: Italian
Honors in English

Olivia J. Crozier
Major: Entomology
Undergraduate Research Scholar
Thesis Title – Forensically Relevant Insects in the Harris County Area

Patrick R. Currin
Major: Mechanical Engineering
Engineering Honors

Lauren A. Curtis
Majors: International Studies and Spanish
Cornerstone Liberal Arts Honors, Honors in International Studies, Honors Fellows, Undergraduate Research Scholar
Thesis Title – Wind in Film: Representations of Wind Energy in the On-screen Anthropocene

Sujata Dalal
Major: Molecular & Cell Biology
Minor: Psychology
Honors in Biology

Zoher H. Darugar
Majors: Business Honors and Marketing
Business Honors
George P. Dau  
Major: Aerospace Engineering  
Minor: Mathematics  
*Engineering Honors*

Alexandra L. Day  
Major: International Studies  
Minor: Business  
*Cornerstone Liberal Arts Honors, Honors in International Studies*

Aishani De  
Major: Chemical Engineering  
Certificate: Safety Engineering  
*Engineering Honors*

Charlotte N. Deere  
Major: Anthropology and Classics  
Minor: Museum Studies  
*Undergraduate Research Scholar*  
Thesis Title – Two Sides to Every Coin: An Analysis of Julio-Claudian Women on Imperial Roman Coinage

Ryan P. Delaune  
Major: Chemical Engineering  
Certificate: Safety Engineering  
*Engineering Honors*

Danielle S. Delley  
Major: Communication  
Minor: History  
*Honors in Communication*

Suchi K. Desai  
Major: Chemical Engineering  
*Engineering Honors*
Meredith W. Dickson
Majors: International Studies and Sociology
Cornerstone Liberal Arts Honors, Honors in International Studies, Undergraduate Research Scholar
Thesis Title – The Physical and Symbolic Functions of the U.S.-Mexico Border Wall

Kiara M. Dietze
Majors: Forensic Investigative Science and Entomology
Minor: Art - Science Option
Honors in Forensic Investigative Sciences

David J. Dishman
Major: Biomedical Engineering
Minor: Anthropology
Engineering Honors, Undergraduate Research Scholar
Thesis Title - On the Efficacy of Ancient Egyptian Surgical Techniques

Erica C. Dixon
Major: History
Honors in History

Astrid B. Doennem
Major: Architectural Engineering
Minor and Certificate: Mathematics and Holistic Leadership in Engineering
Engineering Honors

Gabrielle N. Doucet
Major: International Studies
Minor: Philosophy
Undergraduate Research Scholar
Thesis Title – Climate Inspired Fictions and Present Obligations to Future Generations

Jaye N. Doughtie
Major: Nutrition
Minor: Psychology
Nutritional Sciences Honors
Spencer R. Doyle
Major: Chemical Engineering
Engineering Honors

Oula M. Eldow
Major: Biomedical Sciences
Minor: Psychology, Biomed Research & Development
Honors Fellows

Megan C. Elliott
Major: Kinesiology
Undergraduate Research Scholar
Thesis Title – Exploring the Cultural Influence of the Beatles through Dance

Allison M. Engler
Major: Nutrition
Certificate: Biomed Research & Development
Nutritional Sciences Honors

Sarah A. English
Major: Chemical Engineering
Engineering Honors

Nicholas A. Esposito
Major: Computer Engineering - CEEN
Honors Fellows

Rylie G. Evans
Major: International Studies
Minors: Chinese and Business
Honors in International Studies, Undergraduate Research Scholar
Thesis Title – Modern Landscape of Marriage in Urban China

Jessica U. Ezemba
Major: Mechanical Engineering
Certificate: Engineering Concept Creation & Comm
Engineering Honors
Hannah L. Falcon  
Major: Telecommunication Media Studies  
Minor: Journalism  
*Cornerstone Liberal Arts Honors, Honors in Communication*

Riley K. Farrell  
Major: Communication  
Minors: Journalism and Spanish  
*Cornerstone Liberal Arts Honors*

Holt J. Feigle  
Major: Aerospace Engineering  
Minor: Mathematics  
*Engineering Honors*

Teshan Fernando  
Major: Biomedical Engineering  
*Engineering Honors*

Gage H. Finke  
Major: Environ Design Arch Studies  
Certificate: Ldrshp in Design & Constr Prof  
*Honors in Architecture*

Thomas L. Flowers  
Major: Applied Mathematical Sciences  
*Honors in Mathematics*

Sydney A. Foglesong  
Major: Human Resource Development  
Minor: Business  
*Honors in Educational Human Resource Development*

Bennett W. Folsom  
Major: Animal Science  
*Honors in Animal Science*
Abbigail Forrest
Major: Political Science
Minor: English
Undergraduate Research Scholar
Thesis Title – These Uncertain Times

Erin S. Fox
Major: Communication
Minor: Environmental Geosciences
Honors in Communication

Reginald A. Frank
Majors: Computer Science and Applied Mathematical Sciences
Minor: Cybersecurity
Engineering Honors, Undergraduate Research Scholar
Thesis Title – Designing a High Throughput Bounded Multi-Producer, Multi-Consumer Queue

Garion H. Frankel
Major: University Studies - Society, Ethics & Law
Minors: Philosophy and Geography
Honors in Society, Ethics & Law, Undergraduate Research Scholar
Thesis Title – Civilizations' Origin: A Thought Connection Between Thomas Paine and Jane Addams

Bridger H. Freeman
Major: Physics
Minor: Biology
Honors in Physics & Astronomy, Undergraduate Research Scholar
Thesis Title – The Interactions of and Protection Against High-Energy Cosmic Rays on Eye Tissue

Dionna M. Gallington
Major: Telecommunication MediaStudies
Certificate: Strategic Communication
Honors in Communication

Michael V. Galo
Major: University Studies - Journalism Studies
Minors: History and Communication
Cornerstone Liberal Arts Honors
Marina A. Galvan
Major: University Studies - Society, Ethics & Law
Minors: Philosophy and Leadership [AG]
Honors in Society, Ethics & Law, Undergraduate Research Scholar
Thesis Title – A Philosophical Perspective on Group Polarization

Roberto I. Galvan Kunte
Major: Marketing
Minor: Psychology
Honors Fellows Undergraduate Service Scholar

Cora P. Garcia
Major: Public Health Entomology
Honors Fellows, Undergraduate Research Scholar
Thesis Title – The Role of Macronutrient Ratios in Honey Bee Diets Against Deformed Wing Virus Infection

Vada B. Garcia
Major: International Studies
Cornerstone Liberal Arts Honors, Honors in International Studies

Brandon T. Gathright
Major: Computer Engineering - CECN
Minor: Cybersecurity
Engineering Honors

Sarah M. Gaucher
Major: University Studies - Society, Ethics & Law
Minors: Human Resource Development and Philosophy
Honors in Society, Ethics & Law, Undergraduate Research Scholar
Thesis Title – Third Party Victims of Injustice: Families of Defendants

Spencer T. Gautreaux
Major: Computer Science
Minors: Business and Cybersecurity
Engineering Honors, Undergraduate Research Scholar
Thesis Title – 3D Printing Path Reallocation for Concurrent IDEX Systems
Kendall J. Gibson  
Major: Biomedical Engineering  
Minor: Engineering Project Management  
*Engineering Honors*

Reagan S. Giesenschlag  
Major: Biological & Agricultural Engineering  
*Engineering Honors*

Brian J. Gilbert  
Major: Materials Science & Engineering  
*Engineering Honors*

James R. Girvin  
Major: English  
Minor: Sport Management  
*Honors Fellows, Undergraduate Teacher Scholar*

Jordan L. Gomez  
Major: Biomedical Sciences and Entomology  
Minor: Equine Science  
*Undergraduate Research Scholar*  
Thesis Title - The Role of Macronutrient Ratios in Honey Bee Diets Against Deformed Wing Virus Infection

Nydia T. Gomez  
Major: International Studies  
Minors: Sociology and Public Health  
*Undergraduate Research Scholar*  
Thesis Title – Asylum and Femicide: An Analysis of Gendered Concepts of Humanity and its Role in the Northern Triangle of Central America

Lindsey M. Gore  
Major: Forensic Investigative Science  
*Honors in Forensic Investigative Sciences*

McCall R. Graf  
Major: Communication  
Minor: Spanish  
*Honors in Communication*
Kathryn N. Gray
Major: Psychology
Undergraduate Research Scholar
Thesis Title – How Children’s Curiosity Predicts School Readiness: Examining Moderation by Socioeconomic Status and Parenting

Olivia M. Gray
Major: Communication
Minor: Psychology
Honors in Communication

Kaylee G. Greiner
Major: Animal Science
Minor: Meat Science
Honors in Animal Science

Amber D. Groeneveld
Major: Psychology
Minor: Economics
Honors in Psychology

Jack M. Grooms
Major: Mechanical Engineering
Honors Fellows

Sanskruthi P. Guduri
Major: Biomedical Engineering
Minor: Neuroscience
Engineering Honors

Madison G. Guy
Major: History
Minor: Business
Cornerstone Liberal Arts Honors

Lauren G. Hall
Major: International Studies and French
Minor: Psychology
Honors in International Studies
Patrick C. Hall
Major: Biomedical Engineering
Minor: Materials Science & Engineering
*Undergraduate Research Scholar*
Thesis Title - Characterization of the BMP2-Specific Regeneration Window in the Adult Mouse Middle Phalanx Model of Induced Bone Regeneration

Grace A. Harper
Major: Forensic Investigative Science
Minor: Spanish
*Honors in Forensic Investigative Sciences*

BriéAnn R. Harris
Major: Biomedical Engineering
Minor: Business
*Honors Fellows*

Casey J. Harrison
Major: Communication
Certificate: Comm Ldrshp & Conflict Mgmt
*Honors in Communication*

Chloe L. Harrison
Major: Classics and Philosophy
Minor: History
*Undergraduate Research Scholar*
Thesis Title - Home Sweet Home? Neighborhood Cohesion Offers a Coping Mechanism for Gender Discrimination Linked With Psychological Distress

Emma B. Haschke
Major: Biomedical Sciences
Minor: Wildlife & Fisheries Sciences
*Honors Fellows, Undergraduate Teacher Scholar*

Adel M. Hassan
Major: Biology
Minor: Computer Science
*Honors in Biology*
Brittany S. Hayden
Major: Telecommunication MediaStudies
Minor: Journalism
Honors in Communication

Amanda C. Heddins
Major: Forensic Investigative Science
Minor: Chemistry and Psychology
Honors in Forensic Investigative Sciences

Elizabeth M. Hellinger
Major: Communication
Minors: Economics and Chinese
Honors in Communication

Annebel E. Hemphill
Major: Psychology
Minor and Certificate: Neuroscience, Applied Behavioral Health
Cornerstone Liberal Arts Honors, Honors in Psychology

Gabriela A. Hernandez
Major: Chemical Engineering
Certificate: Holistic Leadership in Engineering
Engineering Honors

Lizbeth V. Hernandez
Major: University Studies - Society, Ethics & Law
Minors: Philosophy and Business
Honors in Society, Ethics & Law

Eleazar G. Herrera Hernandez
Major: Aerospace Engineering
Minor: Mathematics
Engineering Honors

Joseph P. Hidalgo
Major: Applied Mathematical Sciences
Minors: Economics and Statistics
Honors in Mathematics
Holden G. Hill
Major: Philosophy
*Undergraduate Research Scholar*

Rush S. Hoelscher
Major: Computer Science
Minors: Business and Cybersecurity
*Engineering Honors, Undergraduate Research Scholar*
Thesis Title – Towards Accessible Smart Homes for Senior Citizens

Maggie R. Hoffman
Major: Psychology
Minors and Certificate: Business and Sociology, Applied Behavioral Health
*Cornerstone Liberal Arts Honors*

Matthew T. Hoffman
Major: Biological & Agricultural Engineering
*Engineering Honors*

James H. Holden
Major: Sport Management
Minors: Business and Communication
*Honors Fellows, Undergraduate Performance Scholar*

Simon H. Holmes
Majors: Communication and Philosophy
*Cornerstone Liberal Arts Honors, Honors in Communication*

LeAnn P. Howard
Major: Animal Science
Minors: Poultry Science and Equine Science
*Honors in Animal Science*

Sicong Huang
Major: Computer Science
Minor: Cybersecurity
*Undergraduate Research Scholar*
Thesis Title – Static Body Expression Recognition with Openpose
Megan L. Huang Frazier  
Major: Biomedical Sciences  
Minor: Business  
*Undergraduate Research Scholar*  
Thesis Title – Effects of Calcium Mishandling in Astrocytic Mitochondria: The Unexplored Powerhouse

Brendan J. Hutchins  
Major: Visualization  
Minor: Art & Architectural History  
*Honors Fellows, Undergraduate Research Scholar*  
Thesis Title – Nursing Virtual Reality Training Program for SBIRT (Screening, Brief Intervention and Referral to Treatment)

Swati Iyer  
Major: Biomedical Engineering  
*Engineering Honors*

Jyotirmaya Jain  
Major: Biomedical Sciences  
Minor and Certificate: Public Health, Biomed Research & Development  
*Honors Fellows*

Thomas M. Janes  
Major: Electrical Engineering  
Minor: Computer Science  
*Engineering Honors, Undergraduate Research Scholar*  
Thesis Title – Thermoelectric Power Harvesting for Biomedical Implants

Logan D. Jeffery  
Major: Physics  
Minor: Mathematics  
*Undergraduate Research Scholar*  
Thesis Titles – The Texas CsI Array for Astrophysical Measurements, Fuel Mass Optimization for a TRISO-Based Lunar Nuclear Reactor
Yingtao Jiang  
Major: Computer Engineering - CECN  
Certificate: Engineering Project Management  
Engineering Honors, Undergraduate Research Scholar  
Thesis Title – Detecting Shaking Head in YouTube Videos: A Deep Learning Approach

Rohan D. Jillapalli  
Major: Aerospace Engineering  
Minor: Mathematics  
Engineering Honors, Honors Fellows, Undergraduate Research Scholar  
Thesis Title – Analysis of Active Rubidium Photo-Ionization Concept for Spacecraft Shielding from High Energy Neutral Beams

Lauren C. Johnson  
Major: Communication  
Minor: Business  
Honors in Communication

McKenzie R. Jones  
Major: Biomedical Engineering  
Undergraduate Research Scholar  
Thesis Title – Hydrogels with Regional Mechanical Properties

Seth H. Jordan  
Major: Agricultural Economics  
Minor: Economics  
Honors in Agricultural Economics

Kalista E. Jordan-DeBruin  
Majors: International Studies and Economics  
Minors: Environmental Geosciences and Spanish  
Cornerstone Liberal Arts Honors, Honors in International Studies, Honors Fellows, Undergraduate Teacher Scholar

Tzu-Wen Jou  
Major: Industrial Engineering  
Minor: Engineering Project Management  
Engineering Honors
Milan K. Jovanovic
Major: Mathematics
Honors in Mathematics

Dinyar R. Kadkhodaian
Major: Nuclear Engineering
Minors: Radiological Health Engineering and Mathematics
Undergraduate Research Scholar
Thesis Title – Fuel Mass Optimization for a TRISO-Based Lunar Nuclear Reactor

Ellen G. Kainer
Major: Bioenvironmental Sciences
Honors in Bioenvironmental Sciences

Jones T. Kalarickal
Major: Biomedical Engineering
Engineering Honors

Anuj A. Kankani
Major: Physics
Minors: Astrophysics and Computer Science
Honors in Physics & Astronomy, Undergraduate Research Scholar
Thesis Title – Studying the Evolution of Fornax and its Globular Clusters

Mallory G. Kappel
Major: Communication
Certificate: Comm Ldrshp & Conflict Mgmt
Honors in Communication

Heather L. Kavaloski
Majors: Forensic Investigative Science and Entomology
Minor: French
Honors in Forensic Investigative Sciences

Evan F. Kelly
Major: Aerospace Engineering
Minor: Mathematics
Engineering Honors
Shaan R. Kewalramani
Major: Chemical Engineering
Minor: Business
*Engineering Honors*

Caroline E. Kibby
Major: English
Minor: Game Design & Development
*Honors Fellows, Undergraduate Research Scholar*
Thesis Title – Video Games, Colonialism, and Theater: The Nature of Ideology in Endless and Narrative Games

Samantha Y. Kim
Major: Economics
*Cornerstone Liberal Arts Honors, Honors Fellows, Undergraduate Research Scholar*
Thesis Title – The Impact of ShotSpotter on Violent Crime

Ryan C. King
Major: Computer Science
*Undergraduate Research Scholar*
Thesis Title – Progressive Cell Based Neural Architecture Search

Davis K. Kirchhofer
Major: Computer Science
Minor: Business and Cybersecurity
*Honors Fellows*

Sean D. Kluver
Major: Economics
Minor: Chinese
*Undergraduate Research Scholar*
Thesis Title – Measuring the Impact of Oil Price Shocks on the Texas Economy During the COVID-19 Pandemic

Joshua C. Korb
Major: Biomedical Sciences
Minor: Economics
*Honors Fellows, Undergraduate Teacher Scholar*
Kelly N. Krenek
Major: Political Science
*Honors Fellows, Undergraduate Research Scholar*
Thesis Title – Building Trust – Can Infrastructure Development Improve Government Trust in Brazil?

Lily C. Kuhlman
Majors: Biology and Genetics
*Honors in Biology*

Sarah A. Kusumo
Major: Biomedical Engineering
*Engineering Honors*

Mattelynn R. Lansford
Major: Animal Science
*Honors in Animal Science*

Jonatan M. Lara
Major: Ocean Engineering
*Engineering Honors*

Kyra L. Lawson
Major: Nuclear Engineering
Minor: Mathematics
*Engineering Honors*

Kaylie A. Leal
Major: Kinesiology
Minor: Psychology
*Honors Fellows, Undergraduate Service Scholar*

Jayln I. Lee-Edoh
Major: Biomedical Sciences
*Undergraduate Research Scholar*
Thesis Title – The Presence of Racism on Campus: How Effective are Difficult Dialogues at Addressing Racism
Frida G. Leon Olmedo
Major: Biomedical Engineering
Certificate: Quality Engineering Reg Med Tech
*Engineering Honors, Undergraduate Research Scholar*
Thesis Title – Integrin Beta-1 Recruitment at Cell-matrix Adhesions in Aged Vascular Smooth Muscle Cells

Shelby M. Lepley
Major: Agricultural Economics
Minor and Certificates: Leadership [AG], Intl Trade & Agriculture, Agricultural Economics Cert, and Adv International Affairs Cert
*Honors in Agricultural Economics, Undergraduate Research Scholar*
Thesis Title – Impact of COVID-19 on United States Milk Prices

Jasmine J. Leu
Major: Computer Science
Minor: Mathematics
*Engineering Honors*

Lauren S. Leveno
Major: International Studies
Minor: Arabic Studies, Philosophy Pre-Law
*Cornerstone Liberal Arts Honors*

Anthony S. Li
Major: Computer Engineering - CECN
Minor: Mathematics and Cybersecurity
*Engineering Honors*

Grace J. Li
Major: Chemical Engineering
Minor and Certificate: Mathematics and Engineering Therapeutics Manufacturing
*Engineering Honors*

Johnathan M. Lo
Major: Molecular & Cell Biology and Statistics
*Honors in Biology*
Paola Loera
Major: Political Science
Minor: Psychology
*Undergraduate Research Scholar*
Thesis Title – Race and Inequality in School Funding Across Texas

Grace R. Long
Major: Nuclear Engineering
Minors: Radiological Health Engineering and Mathematics
*Engineering Honors*

Cameron C. Lopez
Major: Computer Science
Minor: Cybersecurity
*Engineering Honors, Undergraduate Research Scholar*
Thesis Title – Exploring Transfer Learning Focused on Physiological Signals for Emotion Recognition

Mason K. Loss
Major: Philosophy
*Honors in Philosophy*

Lauren N. Loving
Major: Kinesiology
*Undergraduate Research Scholar*
Thesis Title – Exploring the Cultural Influence of the Beatles through Dance

Maria F. Lozano Bonilla
Major: Biomedical Sciences
Minor and Certificate: Psychology, Cultural Comp & Comm Span
*Honors Fellows, Undergraduate Service Scholar*

Jillian B. Luna
Major: English
Minor: Communication
*Cornerstone Liberal Arts Honors, Honors in English, Honors Fellows, Undergraduate Research Scholar*
Thesis Title – Shakespeare in the Eighteenth and Nineteenth Centuries
Madelyn A. MacArthur
Majors: Communication and English
Honors in Communication

Ciara R. Madigan
Major: Biology
Minor: Philosophy
Honors in Biology, Undergraduate Research Scholar
Thesis Title – Impact of Social Mixing on Feedlot Steer Behavior

Andrea M. Magoon
Major: Communication
Minor: Business
Honors in Communication

Haylie E. Maguire
Major: Psychology
Certificate: Work & Organizations
Honors in Psychology

Aneesh K. Mahodaya
Major: Aerospace Engineering
Minors: Mathematics and Computer Science
Engineering Honors

Grace E. Mainka
Major: Aerospace Engineering
Minor and Certificate: Mathematics and Holistic Leadership in Engineering
Engineering Honors

Jeshua L. Malroy
Major: Chemical Engineering
Minors: Religious Studies and Chinese
Engineering Honors

Nicholas S. Manavi
Major: Aerospace Engineering
Minor: Mathematics
Engineering Honors
Regan E. Mangham  
Major: Biomedical Sciences  
Honors Fellows

Amber E. Mannie  
Major: Political Science  
Undergraduate Research Scholar  
Thesis Title – The Analysis of Common Solutions: Evaluating Education

Nathan J. Mara  
Major: Chemical Engineering  
Minor: Electrical Engineering  
Engineering Honors

Theodore E. Margo  
Major: Biology  
Honors in Biology

Adrin T. Martin  
Major: English  
Minor: Communication  
Undergraduate Research Scholar  
Thesis Title – The Rhetoric of Disorder: A Case Study on the Effects of Metaphor in OCD Treatment Texts

Cody C. Martin  
Majors: Biochemistry and Genetics  
Minors: Statistics and Bioinformatics  
Honors Fellows, Undergraduate Research Scholar  
Thesis Title – Molecular, Genetic, And Biochemical Analysis of the PhiKT Disruption: A New Class of Lysis Proteins

Alejandro I. Martinez  
Major: Aerospace Engineering  
Engineering Honors

Camille G. Mason  
Major: Communication  
Certificate: Comm Ldrshp & Conflict Mgmt  
Honors in Communication
Matthew J. Mason  
Major: Chemical Engineering  
*Engineering Honors*

Kamryn M. Massey  
Major: Visualization  
Certificate: Architectural Fabrication & Product Design  
*Undergraduate Research Scholar*  
Thesis Title – Using Virtual Reality as an Educational Tool for Dance

Shelby P. Mathews  
Major: Communication  
Minor: English  
*Honors in Communication*

Morgan L. Mathis  
Major: Animal Science  
Minor: Business  
*Honors in Animal Science*

Jessica M. McCaskill  
Major: Animal Science  
Minor: Equine Science  
*Honors in Animal Science*

Grant W. McCurdy  
Major: Aerospace Engineering  
Minor: Mathematics  
*Engineering Honors*

Cori P. McDougal  
Major: Forensic Investigative Science  
Minor: Sociology  
*Honors in Forensic Investigative Sciences*

Lindsie L. McNair  
Major: English  
Minor: History  
*Honors Fellows, Undergraduate Performance Scholar*
Noah M. McNally
Major: Molecular & Cell Biology
Minor: Neuroscience
Honors in Biology, Honors Fellows

Rachel A. McNeal
Major: Public Health Entomology
Honors in Forensic Investigative Sciences

Taylor M. Medlock
Major: English
Undergraduate Research Scholar
Thesis Title – Heroes of Middle Earth: The Hobbit

Holly G. Meier
Major: Bioenvironmental Sciences
Minors: Biology and Park & Natural Resource Management
Honors in Bioenvironmental Sciences, Honors Fellows,
Undergraduate Service Scholar

Mannan Mendiratta
Major: Computer Science
Minors: Mathematics and Cybersecurity
Honors Fellows

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Major: International Studies
Minors: Japanese and Business
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Thesis Title – Patriarchal Origins of Japanese Tax Credit Structure and Consequences on Married Japanese Women

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Major: Animal Science
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Engineering Honors
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Thesis Title – Impact of Spent Grain on Soil Health and Weeds Management

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Major: English
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*Undergraduate Research Scholar*
Thesis Title – Angel Down

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Major: Mechanical Engineering
*Engineering Honors*

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Major: Biological & Agricultural Engineering
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Major: Environ Design Arch Studies
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Thesis Title – The Relational Shift Between Global Governance and State Sovereignty in the Catalan Independence Movement Between 2017 and 2018

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Minor: Mathematics
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Major: Industrial Engineering
Minor: Statistics
*Engineering Honors, Undergraduate Research Scholar*
Thesis Title - Evaluation of Derivative Security Attractiveness

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*Engineering Honors, Undergraduate Research Scholar*
Thesis Title – Nautical Archaeology Digital Library

Rachel A. Navara
Major: Management Information Systems
Minor: Computer Science
*Honors Fellows, Undergraduate Leadership Scholar*

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Major: Physics
Minors: Mathematics and Cybersecurity
*Undergraduate Research Scholar*
Thesis Title – Track-Based Alignment of the CMS Muon System

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Major: Biology
Minors: French and Neuroscience
*Undergraduate Research Scholar*
Thesis Title – The Effect of Substance P on Hemorrhage and Secondary Injury after Pain Input and SCI
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Major: Telecommunication Media Studies  
Minor: English  
Honors in Communication

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Major: Kinesiology  
Undergraduate Research Scholar  
Thesis Title – Improving Knee Alignment for Dancers: Quadricep Strengthening vs. Practice & Cueing

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Minor: Public Health  
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Thesis Title – Birth Outcomes as a Lens to Understanding The Hispanic Health Paradox

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Engineering Honors

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Major: Psychology  
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Honors in Psychology

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Minor: Financial Planning  
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Thesis Title – Determining the Factors Affecting the Growth of Land Value in the Greater Dallas – Fort Worth – Arlington Area: Focused on Residential Land Value

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Major: Communication  
Minor: Business  
Honors in Communication
Jonathan R. Olivares
Major: University Studies - Dance
Minors and Certificates: Tourism Management and Horticulture, Prof Event Manager and Hospitality Management
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Thesis Title – Can Dance be used Effectively to Communicate Life Events: Intrapersonal Analysis

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Thesis Title – Reinforcement Learning For Autonomous Vehicles

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Major: Computer Science
Minor: Mathematics and Cybersecurity
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Thesis Title – The Effects of Integrating External Applications into Learning Management Systems (LMS)
Luis F. Pantin Mayaudon  
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Minor: Cybersecurity  
*Engineering Honors, Undergraduate Research Scholar*  
Thesis Title – Improvements for Store-Collect and Atomic Snapshot Objects under Continuous Churn

Sunyoung Park  
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Minor: Mathematics and Cybersecurity  
*Engineering Honors, Undergraduate Research Scholar*  
Thesis Title – High Bandwidth Interposer Switch (HBI-S) Topology in Modular System on Chip

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Minor: Philosophy  
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Thesis Title - The Effect of Isoleucine Supplementation of Peripheral Blood Mononuclear Cell Metabolism in Subjects With Type 2 Diabetes

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Minor: Psychology  
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Major: Computer Engineering - CEEN  
Minor: Mathematics  
*Undergraduate Research Scholar*  
Thesis Title – Using Write Buffers in Systolic Array Architectures to Mitigate the Number of Memory Access Produced by Row Stationary Dataflows

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Major: English  
Minor: Game Design & Development  
*Undergraduate Research Scholar*  
Thesis Title – Video Games, Colonialism, and Theater: The Nature of Ideology in Endless and Narrative Games

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Major: Biomedical Sciences  
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*Undergraduate Research Scholar*  
Thesis Title – Duration of Survival of the Chagas Disease Parasite (Trypanosoma Cruzi) in Deceased Triatomine 'Kissing Bug' Vectors
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Major: Psychology
Minor: Neuroscience
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Thesis Title – The Role of the Ventral Hippocampus on Contextual Learning and Avoidance Behavior: Implications for PTSD

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Thesis Title – Thermoelectric Power Harvesting for Biomedical Implants

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Thesis Title – Light Fidelity Tracking System

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Thesis Title – Hardware Security for Cloud Based FPGAs

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Minors: Business and Mathematics
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Honors Fellows, Undergraduate Service Scholar

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Thesis Title – Extremism Video Detection In Social Media

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Thesis Title – Particle Detector for Low Energy Heavy Ions
Isaac A. Ray  
Major: Applied Mathematical Sciences  
Minors: Computer Science and Statistics  
Honors in Mathematics

Emily Rayer  
Major: Biomedical Engineering  
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Thesis Title – Incorporation of Compatibilized Polypropylene Fumarate (PPF) into Polycaprolactone (PCL) Networks for Applications in Bone Regeneration

Ashley J. Reed  
Major: Industrial Distribution  
Engineering Honors

Ashlyn N. Reed  
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Undergraduate Research Scholar  
Thesis Title – The Soul Grows by Leaps and Bounds: Analyzing the Diary Structure in Rilla of Ingleside

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Majors: Forensic Investigative Science and Psychology  
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Cornerstone Liberal Arts Honors

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Thesis Title – Collaborative Robotic Motion Planning Between Multiple Arms
Elisabeth C. Riddle  
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Thesis Title - Improving Knee Alignment for Dancers: Quadricep Strengthening vs. Practice & Cueing

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Major: Mechanical Engineering  
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Major: Visualization  
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Thesis Title – Jokers and Thieves: A Graphic Novel

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Thesis Title – Improving Knee Alignment for Dancers: Quadricep Strengthening vs. Practice and Cueing

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Thesis Title – Congressional Strategic Communication In A Foreign Policy Crisis: A Study Of Benghazi

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Majors: English and Spanish  
Minor: Philosophy  
*Undergraduate Research Scholar*  
Thesis Title – "With the Passing of the Years" - Existential Attitude in Miguel de Unamuno, Juan Carlos Onetti, and David Toscana
J Jesus Rodriguez Cruz
Major: Biomedical Engineering
Engineering Honors, Undergraduate Research Scholar
Thesis Title – Stability Assessment of PEO-Silane Amphiphiles for Use in Intraocular Lenses

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Honors in Biology

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Thesis Title – Parent-Child Disagreement in Pediatric Medical Decision-Making

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Thesis Title – Static Race Detection Tool for GoLang

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Thesis Title – Domain-based Isolation with Single-Context Trusted Execution Environment

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Thesis Title - TEX86 and $U_{37}^k$ Applications to Amplify Information on Western Boundary Currents During the Mid- to Late Miocene

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Thesis Title – Serotonin Induces Inflammatory Cytokine Production and Regulates Lymphatic Endothelial Cell Function
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Minors: Mathematics and Chemistry
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Thesis Title – Accurate Identification of Traffic Signs Using Radar and Camera Fusion

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Thesis Title – Before and After Terrorism: Economic and Political Development in the Basque Country

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Thesis Title – Improving Memory Management in the Linux Kernel

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Major: Philosophy
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Thesis Title – A Look Into Moral Luck

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Thesis Title – Filipina Marriage Migration, Human Capital, and the "Mail-Order-Bride" Industry

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Thesis Title – On the Relationship Between Communion and Freedom: A Philosophical Analysis of Popular Film
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Thesis Title – Targeting FGF8a Promoter for Gene Expression

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Thesis Title – Light Fidelity Tracking System

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Thesis Title – Impact of Social Mixing on Feedlot Steer Behavior

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Thesis Title – Can Online Trials Be Fair During the COVID-19 Pandemic?

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Thesis Title – Design of a Prediction Game in the Domain of Computer Security

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Minor: Mathematics  
*Engineering Honors*

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Majors: History and Philosophy  
*Undergraduate Research Scholar*  
Thesis Title – Revisiting the Foundations of International Law: A Close Analysis of the Peace of Westphalia

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Major: Electrical Engineering  
*Engineering Honors, Undergraduate Research Scholar*  
Thesis Title – Multimodal Data Fusion and Machine Learning for Deciphering Protein-Protein Interactions

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Major: History  
Minors: English and Italian  
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Minor: Mathematics
Engineering Honors

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Minors: Journalism and Communication
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Majors: Physics and Mathematics
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Thesis Title – Cavity Quantum Electrodynamics with Landau Quantized Graphene

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Major: Physics
Minor: Statistics
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Thesis Title – Finding Extreme High-Redshift Galaxies Using the 3D-HST Survey

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Minor: Spanish
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Thesis Title – A Genetic Screen to Identify Viral Proteins Participating in the Lysis Inhibition System of Bacteriophage N4

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Major: Psychology
Cornerstone Liberal Arts Honors

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Major: Genetics
Minor: Psychology
Undergraduate Research Scholar
Thesis Title – Effects of Calcium Mishandling in Astrocytic Mitochondria: The Unexplored Powerhouse

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Major: English
Minor: Italian
Honors in English, Undergraduate Research Scholar
Thesis Title – Troubled Pilgrimage to the Grotto: Exploring the Deconversion Narrative in Fantasy

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Minor: Business
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Thesis Title – Dimpler Detection Using Facial Landmarks In Videos
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Major: Psychology
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Thesis Title – How Has Modern Feminism and the #MeToo Movement Evolved Sexual Assault Portrayal in Film?

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Thesis Title – The Effect of a Traditional Ballet Barre Versus a Modified Ballet Barre on Flexibility, Ankle Stability, and Abdominal Strength & Endurance in Collegiate Dancers

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Honors in English

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Minor: Spanish
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Thesis Title – The American Paradox and Reading as Self-Help

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Thesis Title – Vibrotactile Feedback for Understanding Numbers

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