

# DEDMAN COLLEGE

MINDS MOVING THE WORLD.



# Welcome to Dedman College of Humanities and Sciences

We are the heart of SMU and the oldest, largest, and most diverse school on campus. The over fifteen hundred courses offered at Dedman every year provide all SMU students with broad and deep knowledge of our world in its physical, symbolic, quantitative, social, and expressive dimensions.

Together with foundations in critical thinking, logic and analytics, written and verbal communication, and ethics and social responsibility, this knowledge provides students with the core competencies they will need to be successful in their careers and in their lives.

There are over 300 full-time, highly dedicated professors in Dedman College. Internationally recognized experts in their fields, the faculty discover, produce, and disseminate new knowledge, and they collaborate with other experts both locally and around the world on a vast variety of projects. Most important, however, they bring their finely honed expertise into the classroom, where they share with students their knowledge and passions for their fields. Our small class sizes provide students with easy access to faculty and wonderful opportunities to participate in hands-on research programs. Moreover, a network of successful and highly engaged alumni around the world are prepared to serve as additional sources of knowledge and support for our students as they enter the workforce.

At Dedman College, faculty and students confront real-world problems with both the latest science and the wisdom of the ages; they grapple with the complexities of understanding the world's economic and political systems; and they tackle the perplexing question of what it means to be human. We welcome you to visit our campus to experience for yourselves the exciting intellectual atmosphere and to meet faculty, students, and staff who together work toward creating a powerful learning environment.

Sincerely,



Thomas DiPiero  
Elisabeth Martin Armstrong Dean, Professor of World Languages and Literatures and English  
Dedman College of Humanities and Sciences  
Southern Methodist University



# OUR STUDENTS

## THE ART OF GLOBAL ADVOCACY.

**NATALIA SILVERA** TRAVELED TO SOUTH AFRICA TO DEEPEN HER ADVOCACY FOR HUMAN RIGHTS AND WORK ON A THEATRE PRODUCTION ALONGSIDE LOCAL ARTS STUDENTS. INSPIRED BY THIS EXPERIENCE, SHE RESEARCHED THE TRUTH AND RECONCILIATION COMMISSION OF THE POST-APARTHEID ERA. SMU IS COMMITTED TO SHAPE WORLD-CHANGERS THROUGH MEANINGFUL EXPERIENCES AND CONNECTIONS.

NATALIA SILVERA  
Psychology and Economics Major



## CEMENTING OUR PLACE IN HISTORY.

THROUGH HER INVOLVEMENT WITH VOICES OF SMU, **PRINCESS IGWE-ICHO** DELVES INTO THE STORIES OF ESTEEMED UNIVERSITY ALUMNI. BY ENGAGING IN ARTICULATE CONVERSATIONS WITH FORMER STUDENTS, SHE HAS UNLOCKED VALUABLE INSIGHTS INTO SMU'S EVOLUTION OVER THE YEARS AND THE ESSENCE OF THE CAMPUS COMMUNITY. THIS PRESERVATION OF ORAL HISTORY SERVES AS A TESTAMENT TO SMU'S ENDURING SPIRIT AND WILL RESONATE FOR GENERATIONS OF MUSTANGS TO COME.

PRINCESS IGWE-ICHO  
Political Science, Human Rights, Philosophy, and Corporate Communications & Public Affairs Major

## CONNECTING PONIES WITH MUSTANGS.

**FEAVEN FASIL** SPENT A SUMMER PAIRING FIRST-YEAR AND TRANSFER STUDENTS OF COLOR WITH SELECT UPPERCLASSMEN TO MENTOR AND GUIDE NEW MUSTANGS THROUGH THEIR FIRST YEAR ON THE HILLTOP. THE CONNECT MENTORSHIP PROGRAM HAS HELPED FEAVEN BUILD SKILLS IN LEADERSHIP, COMMUNICATION, AND ORGANIZATION THAT SHE WILL TAKE TO HER FUTURE IN MEDICINE.

FEAVEN FASIL  
Biology Major, Pre-Health



EJ ROREM  
Political Science and Statistical Science Major



## CHANGEMAKERS THRIVE HERE.

**EJ ROREM** HAS OBSERVED AND PARTICIPATED IN THE POLICYMAKING PROCESS AT HOME AND ABROAD WITH SUPPORT FROM THE JOHN G. TOWER CENTER FOR PUBLIC POLICY & INTERNATIONAL AFFAIRS AT SMU. FROM A LEGISLATIVE AFFAIRS INTERNSHIP IN D.C. TO AN ECONOMIC DEVELOPMENT PROJECT IN TRINIDAD, TEXAS, TO STATE DEPARTMENT-FUNDED STUDY ABROAD IN TAJIKISTAN, DIRECT EXPERIENCE HAS PREPARED HIM TO MAKE CHANGE AT ALL LEVELS OF GOVERNMENT.

# HUMANITIES

English

In the Department of **English**, students select from a traditional English degree or a degree in English with creative writing. Students work with renowned scholars in a variety of fields and take courses in literary history, literary theory, and Creative Writing.

History

Faculty members in the Department of **History** specialize in fields ranging from North America, Latin America, and Europe to the non-Western world. The curriculum includes rich course offerings in ethnic and women's studies and the history and culture of the American Southwest.

Philosophy

Research by distinguished scholars in the Department of **Philosophy** is regularly published in leading journals and presses. Departmental strengths include philosophy of mind, ethics, moral philosophy, metaphysics, epistemology, and philosophy of science.

Religious Studies

The Department of **Religious Studies** offers students opportunities to delve into a range of ways in which religion interacts with other aspects of culture around the globe. Professors employ philosophical, historical, social scientific, and literary approaches in the classroom.

World Languages and Literatures

Students in the Department of **World Languages and Literatures** (WLL) explore many dimensions of languages and cultures through a wide variety of authentic materials. Students are encouraged to take courses abroad and discover languages through diverse technologies in the WLL Technology Center.



# SOCIAL SCIENCES

Anthropology

The Department of **Anthropology** is a nationally ranked program and boasts a distinguished faculty. Strengths include the study of health and medicine, migration, gender, and globalization, and the department is home to one of the oldest field schools in the country.

Economics

Faculty members in the Department of **Economics** are on the cutting edge of research, studying everything from financial markets and determinants of oil price movements and their effects on economic activity to international trade and finance and the economics of corruption.

Political Science

The Department of **Political Science** offers a comprehensive curriculum covering topics such as international politics, domestic and international political economy, executive and legislative politics, and constitutional law in the United States, Europe, Asia, Africa, and Latin America.

Psychology

Students in the Department of **Psychology** are encouraged to involve themselves in research, including studies in psychophysiology and stress response, health behaviors, couple and family relationships, mental illnesses, and mood and anxiety disorders.

Sociology

The Department of **Sociology** focuses on the study of social life, processes of social change, and causes and consequences of human behavior. In the markets and culture major, students study production, distribution, and consumption within global societies.



# NATURAL & MATHEMATICAL SCIENCES

Biological Sciences

Research in the Department of **Biological Sciences** focuses on genetics and developmental biology, aging and metabolism, biochemical characterization of protein structures and functions, and infectious diseases of humans.

Chemistry

The Department of **Chemistry** prepares students to meet the increasing demand for a scientifically trained workforce. Students and faculty build strong interactions in classrooms, research labs, and through co-authoring papers.

Earth Sciences

The Department of **Earth Sciences** provides pre-professional training across earth system science important for understanding problems such as natural resources and hazards, environmental change, and the future prospects for the earth and humanity.

Mathematics

The Department of **Mathematics** excels in computational and applied mathematics. Departmental research includes nonlinear optics, neural networks, epidemics, wave propagation, electric power grids, thin films, and bubbles and foams.

Physics

The Department of **Physics** is at the forefront of research in both the search for dark matter and the confirmation of the Higgs boson. Students studying physics participate in annual conferences and receive national and international recognition for their research.

Statistics and Data Science

The Department of **Statistics and Data Science** is a nationally recognized department with a history of producing outstanding, highly marketable graduates and a history of being at the forefront of statistical research and innovation.



## MAKING A DIFFERENCE

The SMU Human Rights Program provides unique opportunities for students to study abroad through real-world experiences and observations. Students as well as faculty, staff, and members of the community are encouraged to participate in several trips that provide stark reminders of the importance of human rights. [smu.edu/humanrights](http://smu.edu/humanrights)



### HUMAN RIGHTS CHAMPION.

**RICK HALPERIN'S** PASSION FOR HUMAN RIGHTS SPANS DECADES AND CONTINENTS. HE BRINGS LIGHT TO DARK SUBJECTS AND CHALLENGES HIS STUDENTS TO EXAMINE THE WORLD, EXPOSE INJUSTICE, AND NURTURE GOODNESS FROM THE ASHES OF PAST WRONGS.

RICK HALPERIN  
Director, Human Rights Program, Department of History

The SMU Human Rights Program partnered with Long Way Home's initiative to provide schools for the children of San Juan. Markets and Culture major and Psychology minor, Mamie Murry, assisted with building schools from sustainable resources while on an SMU Alternative Breaks trip in San Juan Comalapa, Guatemala.



# OUR FACULTY

## IMAGING THE EARTH. IMAGINING OUR FUTURE.

WHY DO EARTHQUAKES HAPPEN WHERE THEY DO? CAN CHANGES IN CLIMATE AFFECT WHERE AND HOW OFTEN EARTHQUAKES OCCUR? CAN WE MAP THE OCEAN CIRCULATION AND QUANTIFY WHERE HEAT IS STORED IN THE OCEANS? **BEATRICE MAGNANI** IMAGES THE HYDROSPHERE AND THE LITHOSPHERE USING SEISMIC WAVES TO INVESTIGATE THESE QUESTIONS AND TO LEARN HOW TO MITIGATE THE GEOHAZARDS TO WHICH WE ARE EXPOSED.

BEATRICE MAGNANI  
Department of Earth Sciences



## EXPLORING ECONOMIC CHANGE.

MICRO-ECONOMIST **SANTANU ROY** IS A LEADING SCHOLAR IN DYNAMIC MODELS AND INDUSTRIAL ORGANIZATION. HIS RESEARCH EXPLORES HOW ECONOMIC INCENTIVES AND STRATEGIC BEHAVIOR DETERMINE THE WAY IN WHICH MARKETS AND INDUSTRIES EVOLVE OVER TIME, HOW MARKETS WITH INFORMATION PROBLEMS WORK, ECONOMIC GROWTH UNDER UNCERTAINTY, EXTINCTION AND CONSERVATION OF NATURAL RESOURCES, AND THE PROBLEMS OF ECONOMIC GLOBALIZATION.

SANTANU ROY  
Department of Economics



## STYLING THE PAGE.

**RHONDA GARELICK** TEACHES MODERN LITERATURE, DRAMA, POPULAR CULTURE, AND JOURNALISM. SHE WRITES THE “FACE FORWARD” COLUMN FOR THE STYLE SECTION OF *THE NEW YORK TIMES* AND APPEARS OFTEN IN THE MEDIA AND IN DOCUMENTARY FILMS. SHE HAS WRITTEN BOOKS ON THE ARTS IN EUROPE, AS WELL AS A CRITICAL BIOGRAPHY OF DESIGNER COCO CHANEL. SHE IS AT WORK ON A NEW BOOK CALLED *WHY FASHION MATTERS*, ABOUT THE RELATIONSHIP OF FASHION TO GLOBAL POLITICS.

RHONDA GARELICK  
Departments of English and Journalism



JEFFREY A. ENGEL  
Director, Center for Presidential History  
Department of History



## MEASURING AMERICAN MORALITY.

WHY DOES AMERICA GO TO WAR? FOR SECURITY, RESOURCES, OR THE MYRIAD OF THINGS STATES HAVE FOUGHT OVER FOR MILLENNIA. BUT HOW DOES AMERICA GO TO WAR? HOW DOES A NATION BUILT BY IMMIGRANTS JUSTIFY KILLING PEOPLE WHO MIGHT WELL BE RELATIVES, OR, BUT FOR A TWIST OF FATE, MIGHT THEMSELVES HAVE BEEN AMERICANS? **JEFFREY A. ENGEL** WANTS TO ANSWER THAT QUESTION, BECAUSE HOW WE DEFINE OUR ENEMIES TELLS US WHO WE ARE.

# DEDMAN COLLEGE SCHOLARS PROGRAM

This Program is designed to enrich the University's intellectual life by providing unique learning opportunities for select students seeking a major within Dedman College. The Program offers scholarship support and an actively engaged community of peers, faculty, and staff. Scholars also receive acceptance into the University Honors Program and guidance toward an independent project or capstone.

[smu.edu/dedmanscholars](http://smu.edu/dedmanscholars)



## WHAT'S NEW

### Data Science Major

Housed in Dedman College, the Bachelor of Science in Data Science is an interdisciplinary, interschool effort between Dedman College, the Lyle School of Engineering, and the Cox School of Business. Disciplines and skillsets taught draw on all the component fields of this area of study, including computer science, statistics, and mathematics. Through courses in the program, professors encompass topics in ethics and privacy to introduce real-world scenarios and opportunities to students. This innovative degree requires a senior-year capstone experience to ensure strong application skills and orientation. Almost every field of study uses some data science skills in the modern world. With the intent of helping students contextualize data science in any given discipline, students are required to declare a second major of their choosing. Students interested in an introduction to coding, data analysis, and data management can choose to minor in Data Science.

### SMU-UT Southwestern Undergraduate Research Fellowship Program

The Departments of Chemistry and Biophysical Sciences' new undergraduate research fellowship program is designed to provide selected students with a unique opportunity to perform scientific research for a full semester at UTSW's Graduate School of Biomedical Sciences. This research fellowship is exclusively available to students with a declared major in Chemistry or Biophysical Sciences. While remaining a full-time SMU student, fellows will conduct research full-time under the guidance of UTSW faculty and an SMU faculty mentor. Fellows will carry out a well-defined research project and make original contributions to their scientific discipline. Upon successful completion, fellows will earn 12 credit hours, comprised of degree program requirements and advanced elective credits.

### CHART NEW HEIGHTS.

TRAVIS NOLAN SPENT SIX WEEKS OVER THE SUMMER FULFILLING HIS MAJOR'S FIELD-COURSE REQUIREMENT, MAPPING LOCATIONS SUCH AS THE LIMESTONE GAP IN THE TALKEETNA MOUNTAINS OF ALASKA. TRAVIS FOUND THE EXPERIENCE TREMENDOUSLY VALUABLE AS A CRASH COURSE IN METHODOLOGY AND INTRODUCTION TO MULTIWEEK FIELDWORK AND LARGER-SCALE GEOLOGIC RESEARCH.

TRAVIS NOLAN  
Biology, Earth Sciences, and  
Applied Physiology Major



LILY DERR  
Political Science and Mathematics Major



### LEARN MORE, DO MORE.

LILY DERR ALWAYS KNEW SHE WANTED TO BE A MATHEMATICIAN, BUT IT WAS THROUGH DEDMAN THAT SHE DISCOVERED HER LOVE OF POLITICAL SCIENCE, TOO. SHE HAS HAD THE OPPORTUNITY TO EXPLORE HOW THE FIELDS COME TOGETHER THROUGH PERFORMING GAME THEORETIC RESEARCH, WORKING AT THE BUSH CENTER, AND INTERNING AT THE FEDERAL RESERVE BANK OF DALLAS.

# PRE-HEALTH

**SMU Pre-Health students' acceptance rates to medical schools typically are 10-15% above the national average.**

The Pre-Health Program provides students with the academic advising, preparation, opportunities, and assistance to successfully apply to graduate health schools. Students have access to dedicated advising, a customized curriculum, membership in Pre-health student groups, application workshops, and the Health Professions Recommendation Committee (HPRC).

Students prepare for careers in:

Medicine	Optometry
Dentistry	Pharmacy
Physician Assistant	Veterinary Medicine
Physical Therapy	

Recent Pre-Health students have been admitted to top graduate health schools including: Johns Hopkins, Vanderbilt, UT Southwestern, Harvard, UCLA, Yale, Washington University in St. Louis, Baylor College of Medicine, Penn State, Baylor College of Dentistry, and Texas A&M College of Veterinary Medicine. [smu.edu/prehealth](http://smu.edu/prehealth)

# PRE-LAW

**60% of Pre-Law students major within Dedman.**

The Pre-Law Program guides and prepares students who are interested in pursuing legal education after graduation. It develops the academic and strategic skills necessary to successfully prepare to apply and excel at the law school of their choice.

Pre-Law resources include:

- Academic advising
- Minor in Law and Legal Reasoning
- Networking opportunities
- Access to law school recruitment services

Recent Pre-Law students have been admitted to top law schools including: Yale, Harvard, Stanford, University of Chicago, Columbia, NYU, UVA, UC Berkeley, Emory, Duke, Georgetown, Boston University, UT Austin, William and Mary, Florida State, University of Oklahoma, and SMU. [smu.edu/prelaw](http://smu.edu/prelaw)

# UNIVERSITY HONORS PROGRAM

The University Honors Program (UHP) prepares students for the future through a broad-based education centered in the humanities and sciences. All undergraduate students are automatically considered for membership in the UHP, and generally, the top 10% of students are invited to join. Current students with an SMU GPA of at least 3.5 may apply to join the UHP. [smu.edu/univhonors](http://smu.edu/univhonors)

Key benefits include:

- Small, discussion-based classes
- Peer mentoring from upper-class honors students
- Dinners, lectures, workshops, and other events
- Independent study and research projects
- National and international travel courses
- A close community of scholars where intellectual and personal bonds are forged



# DEDMAN COLLEGE MAJORS

Anthropology	(Ethnic Studies)	Cosmology and Astrophysics
Biochemistry	African/African-American	Specialization
Biological Sciences	Studies	Political Science
Biophysical Sciences	Mexican-American Studies	Psychology
Chemistry	Health and Society	Public Policy
Data Science	History	Religious Studies
Earth Sciences	Human Rights	Asian Religions Specialization
Environmental Studies Specialization	Individualized Studies	Christian Tradition Specialization
Geology Specialization	in the Liberal Arts	Religion and Culture Specialization
Environmental and Resource	Individualized Studies	Sociology
Sciences Specialization	in the Liberal Arts (with a	Statistical Science
Geology Specialization	focus on Women's and	(World Languages & Literatures)
Geophysics Specialization	Gender Studies)	WLL: Chinese
Economics	International Studies	WLL: French
Management Information Applications	Markets and Culture	WLL: Italian
Concentration	Mathematics	WLL: Spanish
Economics with Finance Applications	Medieval Studies	French
English	Philosophy	French Studies
Creative Writing Specialization	Physics	Spanish

# DEDMAN COLLEGE MINORS

Anthropology	(Ethnic Studies)	Statistical Science
Archaeology	African/African-American	Women's and Gender Studies
Biomedical Anthropology	Studies	(World Languages & Literatures)
Cultural Anthropology	Mexican-American Studies	Arabic
Environmental Anthropology	Health Sciences	Chinese
Area Studies	History	French
Africa/Middle East Studies	Human Rights	German
Asian Studies	International Studies	International Film Studies
European Studies	Jewish Studies	Italian
Latin American and Iberian	Law and Legal Reasoning	Italian Area Studies
Studies	Mathematics	Japanese
Biological Sciences	Medieval Studies	Latin
Chemistry	Neuroscience	Russian Area Studies
Classical Studies	Philosophy	Spanish
Cognitive Science	Physics	
Data Science	Political Science	
(Earth Sciences)	Psychology	
Environmental Earth Sciences	Public Policy and International	
Geology	Affairs (Tower Scholars	
Economics	Program)	
English	Religious Studies	
Ethics	Sociology	



# DEDMAN COLLEGE CENTERS

## **Center for Drug Discovery, Design and Delivery (CD4)**

Targeting medically-important problems through innovative, multidisciplinary scientific research, CD4's mission is to potentiate the development of new therapeutics and their delivery methods, as well as the translation of these new therapeutics to clinical use. [smu.edu/cd4](http://smu.edu/cd4)

## **Center for Research Computing**

Recognizing that computer simulation and analysis has become an essential facilitator of discovery in most disciplines, the Center for Research Computing's mission is to stimulate interdisciplinary education and research enabled by modern high-performance computing technology. [smu.edu/crc](http://smu.edu/crc)

## **William P. Clements Center for Southwest Studies**

Established in 1996, the Clements Center promotes research, publishing, teaching, and public programming in various fields of inquiry related to Texas, the American Southwest, and the U.S.-Mexico borderlands.

[smu.edu/swcenter](http://smu.edu/swcenter)

## **John Goodwin Tower Center for Public Policy and International Affairs**

Since its creation in 1992, the Tower Center has dedicated itself to the interdisciplinary, nonpartisan study of public policy and international affairs, the advancement of public service, and the education of the next generation of leaders.

[smu.edu/tower](http://smu.edu/tower)

## **Center for Presidential History**

A valuable higher education resource serving scholars, students, and the public, the Center for Presidential History exists to research and advance understanding of the history of the American presidency. [smu.edu/cph](http://smu.edu/cph)

## **Mission Foods Texas-Mexico Center**

The Mission Foods Texas-Mexico Center is an action-oriented research policy center looking to understand and explore the dynamic political, cultural, economic, and commercial relationship between Texas and Mexico.

[smu.edu/texasmexico](http://smu.edu/texasmexico)

# DEDMAN COLLEGE INSTITUTES

## **Dedman College Interdisciplinary Institute**

DCII promotes a culture of problem-solving and knowledge creation to meet the world's increasingly complex needs, bridging academia and the broader community through research initiatives, student fellowships, and public symposia.

[smu.edu/dedman/dcii](http://smu.edu/dedman/dcii)

## **Institute for the Study of Earth and Man**

A mission-driven interdisciplinary organization, the ISEM benefits SMU, Dallas, and the nation by promoting and supporting archaeological and geological research at the interface of people, Earth, and the environment.

[smu.edu/isem](http://smu.edu/isem)

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## **Bush Institute-SMU Economic Growth Initiative**

Advancing policy ideas that promote economic growth and opportunity the world over, this partnership strengthens SMU's voice on pressing issues of our time and showcases the work of economists involved in one of the most productive economics research programs in the country.

[smu.edu/GWBInstitute](http://smu.edu/GWBInstitute)

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