

DEDMAN COLLEGE

MINDS MOVING THE WORLD.



SMU®

DEDMAN COLLEGE
OF HUMANITIES & SCIENCES

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
Dean and Professor of World Languages and Literatures and English
Dedman College of Humanities and Sciences
Southern Methodist University



OUR STUDENTS

THINKING GLOBALLY.

DURING **PRITHVI RUDRAPPA'S** INTERNSHIP AT THE GEORGE W. BUSH INSTITUTE, THIS DEDMAN COLLEGE SCHOLAR TRAVELED TO ZAMBIA TO HELP BUILD A CERVICAL CANCER SCREENING CENTER. THE EXPERIENCE TAUGHT HIM THAT HEALTH CARE ISN'T JUST ABOUT MEDICINE; IT ALSO INVOLVES DEVELOPING HEALTH LITERACY AMONG A NEEDY POPULATION. RUDRAPPA KNOWS THAT HIS NEXT STEP IS HAVING A LOCAL IMPACT ON A GLOBAL SCALE.

PRITHVI RUDRAPPA
BIOCHEMISTRY AND
FINANCE MAJOR



EMILY LE
ENGLISH WITH CREATIVE WRITING AND
ECONOMICS WITH FINANCE APPLICATIONS MAJOR

PUTTING A NEW SPIN ON AN OLD TRADE.

EMILY LE FOUND THE PERFECT BALANCE BETWEEN FREEDOM AND STRUCTURE THROUGH HER EXPLORATION OF FOLKLORE IN THE CREATIVE WRITING PROGRAM AT SMU. AFTER COLLECTING EXAMPLES OF FOLKLORE THROUGH INTERVIEWS WITH SEVERAL PEOPLE IN THE COMMUNITY, SHE AND HER CLASSMATES COMPILED THEIR RESEARCH INTO BLOGS. LE'S EXPERIENCE HAS TAUGHT HER TO "SPOT" A STORY IN HER EVERYDAY INTERACTIONS AS WELL AS USE SOCIAL MEDIA TO UPGRADE A TRADITIONALLY PEN-AND-PAPER ART.

TREE LOVER.

ENVIRONMENTAL SCIENCES MAJOR **JEWEL LIPPS** HAS TAKEN CLASSES IN GEOLOGY, BIOLOGY, CHEMISTRY, AND PHYSICS, WHICH HAS GIVEN HER A COMPREHENSIVE OVERVIEW ON HOW THE ENVIRONMENT WORKS. HER INTERNSHIPS HAVE TAKEN HER FROM CLASSROOM LABS TO DESERT, FOREST, AND RIVER ECOSYSTEMS. BASED ON HER BROAD COURSE-BASE AND EXTENSIVE INTERNSHIP EXPERIENCES, AFTER GRADUATION LIPPS IS READY TO HELP THE ENVIRONMENT REGENERATE, ONE RIVER, STREAM, AND TREE AT A TIME.

JEWEL LIPPS
ENVIRONMENTAL SCIENCES AND
CHEMISTRY MAJOR



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.

Statistical Science

The Department of **Statistical 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 Embrey 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



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
EMBREY HUMAN RIGHTS PROGRAM

The Embrey 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

SEARCHING FOR ELUSIVE DARK MATTER.

JODI COOLEY IS WORKING WITH A GLOBAL SCIENTIFIC CONSORTIUM IN SEARCH OF DARK MATTER, THE 85 PERCENT OF MATTER IN OUR UNIVERSE THAT HAS NEVER BEEN OBSERVED.

JODI COOLEY
DEPARTMENT OF PHYSICS



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

HE LIKES A GOOD FIGHT.

ESPECIALLY ONE ON A GRAND SCALE. MIDDLE EAST HISTORIAN **SABRI ATES** WANTS TO KNOW WHY PEOPLE REBEL AGAINST GOVERNMENTS. DO REVOLUTIONS BEGIN WITH THOSE WHO REBEL OR THOSE WHO OPPRESS THEM? WHY DO PEOPLE RISK DEATH TO TOPPLE STATES AND FORM NEW ONES? THESE ARE THE CHALLENGING QUESTIONS ATES AND HIS STUDENTS HIT HARD.

SABRI ATES
DEPARTMENT OF HISTORY



GEORGE HOLDEN
DEPARTMENT OF PSYCHOLOGY



POSITIVE PARENTING.

GEORGE HOLDEN HAS FOUND THAT POSITIVE PARENTING IS A MORE EFFECTIVE WAY TO PARENT THAN ADMINISTERING CORPORAL PUNISHMENT. THIS NEW METHOD ISN'T AUTHORITARIAN, BUT INSTEAD ALLOWS THE CHILD TO PROBLEM SOLVE AND HAVE THE AUTONOMY TO MAKE GOOD DECISIONS. HOLDEN'S RESEARCH SHOWS LOVING COOPERATION AND A GOOD RELATIONSHIP BETWEEN A CHILD AND A PARENT USING POSITIVE PARENTING DELIVERS ONGOING BENEFITS.

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. smu.edu/dedmanscholars

Dedman College Scholars Program highlights:

- Merit-based scholarship award
- Automatic acceptance into the University Honors Program
- Support and guidance toward independent project or capstone



SERVICE AROUND THE WORLD.

ENGLISH MAJOR **KAREN HUGHES '77** CREDITS A LIBERAL ARTS EDUCATION FOR BROADENING HER HORIZONS AND PREPARING HER FOR A DIVERSE CAREER IN JOURNALISM, PUBLIC AFFAIRS, COMMUNICATIONS, AND GLOBAL DIPLOMACY. THE FORMER ADVISOR TO PRESIDENT GEORGE W. BUSH AND UNDER SECRETARY OF STATE CREDITS SMU WITH HONING HER CRITICAL THINKING, SHARPENING HER COMMUNICATION SKILLS, AND LAUNCHING HER CAREER IN PUBLIC SERVICE TO HELP SHAPE A BETTER WORLD.



WHAT'S NEW

Earth Sciences Major

Earth science is an interdisciplinary, applied science that explains how Earth's interior, surface, and atmospheric processes operate in interconnected ways with each other and with life. Students have the choice between pursuing a B.A or a B.S. degree. The B.A. in Earth Sciences includes a set of core courses that provide students with the necessary background in geology, chemistry, and/or biology. On top of the core courses, students choose to specialize in geology, environmental studies, or the unique student-designed concentration. This degree pairs well with majors and minors across the University. The B.S. in Earth Sciences also includes a similar set of core courses with the addition of mathematics and field techniques. Students select a specialization from one of the following areas: geology, geophysics, environmental and resource sciences, and student-designed. The B.S. provides a strong science-based major for those pursuing graduate work in the sciences and/or professional Earth science employment opportunities.

International Film Studies

A minor in International Film Studies develops skills in the analysis of media and visual data combined with a high degree of global knowledge and awareness. Students will demonstrate the ability to analyze and harness images for the purpose of communication, and will prove they are global citizens who understand the histories and cultures of countries from around the globe. The courses required for the minor will expose students to the richness of the global filmmaking tradition while improving their analytical writing, and they will enhance students' ability to approach issues from a global, multicultural perspective. With a minor in International Film Studies, students will acquire broad skills in global and media literacy, skills which will set them apart in any field.

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	Podiatry

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

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

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

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

DEDMAN COLLEGE MINORS

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

DEDMAN COLLEGE CENTERS

Center for Drug Discovery, Design and Delivery

The Center for Drug Discovery, Design and Delivery (CD4) offers a multidisciplinary focus for scientific research targeting medically important problems in human health. Using innovative approaches, 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

Center for Scientific Computation

Recognizing that computer simulation and analysis has become an essential component of research in most technical disciplines and that educating the next generation of computational scientists and engineers is an urgent challenge, the mission of the Center for Scientific Computation is to stimulate interdisciplinary education and research enabled by modern high-performance computing technology. smu.edu/academics/csc

Clements Center for Southwest Studies

Established in 1996, the William P. Clements Center for Southwest Studies promotes research, publishing, teaching, and public programming in a variety of fields of inquiry related to Texas, the American Southwest, and the U.S.-Mexico borderlands. smu.edu/swcenter

John Goodwin Tower Center for Political Studies

The John Goodwin Tower Center for Political Studies is an academic center where all parties and views are heard in a marketplace of ideas. The Tower Center is dedicated to the interdisciplinary study of public policy and international affairs, the advancement of public service, and the education of the next generation of leaders. Since its creation in 1992, the Tower Center has sought to bridge the gap between ideas, scholarship and teaching, and the real-world practice of politics and public policy. smu.edu/tower

Dedman College Economics Research Center

The Economics Research Center promotes policy-relevant research on economic issues of relevance to decision-makers and thought-leaders in government, business, and the media. Research in the center focuses on issues of national and international relevance and on issues specific to the Dallas region.

DEDMAN COLLEGE INSTITUTES

Dedman College Interdisciplinary Institute

Founded in the spring of 2012 with generous funding from the Dedman Family Foundation, the Dedman College Interdisciplinary Institute (DCII) sponsors programs that foster cultures of interdisciplinary inquiries that bridge the physical sciences and the humanities, professional schools, academia, and the broader community. Among these programs are faculty fellows seminars, undergraduate research fellows, interdisciplinary research clusters, and public lectures and symposia. smu.edu/dedman/dcii

Institute for the Study of Earth and Man

The Institute for the Study of Earth and Man (ISEM) benefits SMU, Dallas, and the nation by promoting and supporting interdisciplinary research at the interface of people, Earth, and the environment and shares the results of that research with the broader community in meaningful ways. smu.edu/isem





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