

# DEDMAN COLLEGE

MINDS MOVING THE WORLD.



SMU | DEDMAN COLLEGE  
OF HUMANITIES & SCIENCES



# Welcome to Dedman College of Humanities and Sciences

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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



## 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.

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

## 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

## Mathematics

Academic programs in the Department of **Earth Sciences** range from geophysics and geochemistry to sedimentology and paleontology. The department includes 10 distinguished faculty members, lab sessions that bring science to life, and small upper-division classes.

## Physics

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.

## Statistical Science

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.

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](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  
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](http://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

### Biophysical Sciences Major

This degree program is designed for students who are planning careers in biophysics in industry, laboratories, or academia, or who are looking for an intense and diverse program to distinguish themselves for medical school. A candidate for the B.S. in Biophysical Sciences degree must complete a minimum of 89 semester hours in courses offered in the biology, chemistry, physics, and mathematics departments.

### French Studies Major

While the traditional French major focuses on learning to speak and read the French language, the new French Studies major offers a stronger focus on French culture and civilization, including the realms of French history and literature. In addition to French language courses, the major includes other courses taught in English, including some from disciplines outside the World Languages and Literatures Department. This interdisciplinary degree results in the ability to speak French, as well as a broader appreciation of the history and literature of France and what it means to "be" French.

### 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.



# 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](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)	Public Policy
Biochemistry	African-American Studies	Religious Studies
Biological Sciences	Mexican-American	Sociology
Biophysical Sciences	Studies	Statistical Science
Chemistry	Health and Society	(World Languages & Literatures)
(Earth Sciences)	History	WLL: Chinese
Geology	Human Rights	WLL: French
Geophysics	Individualized Studies	WLL: German
Resource Geology	in the Liberal Arts	WLL: Italian
Economics	International Studies	WLL: Spanish
Financial Applications	Markets and Culture	French
Management Information	Mathematics	French Studies
Applications	Medieval Studies	German
English	Philosophy	Spanish
Creative Writing	Physics	
Environmental Sciences	Political Science	
Environmental Studies	Psychology	

# DEDMAN COLLEGE MINORS

Anthropology	(Ethnic Studies)	Comparative and International
Archaeological	African-American Studies	Politics
Biomedical	Mexican-American Studies	Political Thought
Cultural	History	Psychology
Environmental Anthropology	Human Rights	Cognitive Science
Biological Sciences	International Studies	Religious Studies
Health Sciences	African and Middle Eastern	Sociology
Neuroscience	Studies	Statistical Science
Chemistry	Asian Studies	Tower Scholars Minor in Public
Classical Studies	European Studies	Policy and International Affairs
(Earth Sciences)	Latin American and Iberian	Women's and Gender Studies
Environmental Earth Sciences	Studies	(World Languages & Literatures)
Geology	Jewish Studies	Arabic
Economics	Law and Legal Reasoning	Chinese
Econometrics	Mathematics	French
Economic Growth and Development	Medieval Studies	German
Economics of Decision Making	Natural Sciences	Italian
Economics of Industrial Organization	Neuroscience	Italian Area Studies
International Economics	Philosophy	Japanese
Labor Economics	Ethics	Latin
Monetary Economics	Physics	Russian Area Studies
Public Economics	Political Science	Spanish
English	American Politics	

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

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## **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](http://smu.edu/isem)





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