

SCIENCE WITHOUT BORDERS

Full PhD in Engineering at Texas A&M

Apply for a Science Without Borders scholarship with a conditional acceptance letter from Texas A&M. Process described below is only valid for the Engineering Departments.

Texas A&M is ranked among the best engineering colleges of the United States. It has 13 departments and a large, diverse research portfolio.

AEROSPACE



Aerospace Propulsion and Energy Systems • Autonomous Unmanned Vehicle Systems • Controlled Intelligent Materials and Structures • Hypersonic Vehicle Systems • Space Exploration and Sensing Systems

<http://engineering.tamu.edu/aerospace/people/faculty>

BIOMEDICAL



Fundamental Physiology and Pathophysiology • Diagnostic and Therapeutic Devices • Biomechanics: Cardiovascular and Mechanobiology • Biomedical Optical Sensing and Imaging • Biomaterials

<http://engineering.tamu.edu/biomedical/people/faculty>

CIVIL



Coastal and Ocean Engineering • Construction Engineering and Management • Environmental Engineering • Geotechnical Engineering • Materials Engineering • Structural Engineering • Transportation Engineering • Water Resources Engineering

<http://engineering.tamu.edu/civil/people/faculty>

ELECTRICAL & COMPUTER ENGINEERING



Analog and Mixed Signal • Biomedical Imaging and Genomic Signal Processing • Computer Engineering and Systems • Electromagnetics and Microwaves • Electric Power and Power Electronics • Solid State Electronics, Photonics and Nano-Engineering • Telecommunications, Controls and Signal Processing

<http://engineering.tamu.edu/electrical/people/faculty>

BIOLOGICAL & AGRICULTURAL



Environmental: Soil and Water • Environmental: Air Quality • Power Machinery • Food and Bioprocess • Bioenergy and Bioproducts

<http://baen.tamu.edu/faculty/>

CHEMICAL



Energy • Homeland Security • Health and Safety • Space Exploration • Materials • Nanotechnology

<http://engineering.tamu.edu/chemical/people/faculty>

COMPUTER SCIENCE & ENGINEERING



Bioinformatics • Brain Networks • Computational Science and Engineering • Digital Humanities • Human-Centered Systems • Intelligent Systems • Security • Software • Systems • Theoretical Foundations

<http://cs.tamu.edu/people/faculty>

ENGR TECH & INDUSTRIAL DISTRIBUTION



Electronics Engineering Technology • Industrial Distribution - Global Supply Chain Laboratory • Industrial Distribution: Thomas and Joan Read Center • Manufacturing and Mechanical Engineering Technology

http://etidweb.tamu.edu/people/faculty_list.php

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Dwight Look College of
ENGINEERING
TEXAS A&M UNIVERSITY



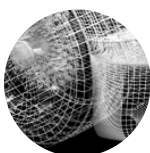
INDUSTRIAL SYSTEMS & ENGINEERING



Communications Systems • Logistics and Supply Chain Management • Modeling and Analysis of Production and Manufacturing • Modeling and Analysis of Probabilistic Systems • Optimization • Quality and Reliability Engineering • Sustainment Sciences and Remanufacturing • Transportation Systems • Homeland Security • Enterprise Systems • Modeling and Analysis of Biological Systems • Management and Decision Analysis • Modeling and Analysis of Service Systems

<http://ise.tamu.edu/People/faculty.html>

MECHANICAL



Materials and Manufacturing • Mechanics • Systems and Controls • Thermal and Fluid Sciences

<http://engineering.tamu.edu/mechanical/people/faculty>

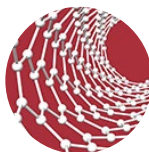
NUCLEAR



Computational Methods Development • Health Physics, Radiation Biology, and Medical Physics • Nuclear Materials and Fuel Cycles • Nuclear Power Engineering • Nuclear Security and Nonproliferation

<http://engineering.tamu.edu/nuclear/people/faculty>

MATERIALS SCIENCE & ENGINEERING



Center for NanoScience and Technology • Materials Characterization Facility • Microscopy and Imaging Center • Polymer Technology Center • Microstructural Engineering of Structural and Active Materials • Thin Film Nano and Microelectronics Research Lab • Equal Channel Angular Extrusion Lab • Nuclear Science Center • Elemental Analysis Lab • Mass Spectrometry Application and Collaboration Facility • High Bay Structural and Materials Testing Lab

<http://engineering.tamu.edu/materials/people/faculty>

PETROLEUM



Advanced Drilling Technology • Advanced Production Technology • Analysis of Reservoir Performance • Energy • Enhanced Recovery • Environmental and Water Issues • Heavy Oil Recovery • Hydraulic Fracturing • Improved Oil Recovery • Naturally Fractured Reservoirs • Oilfield Chemistry • Reservoir Characterization • Reservoir Simulation • Resource Assessment and Uncertainty Analysis • Shale Gas • Tight Gas • Unconventional Resource Assessment • Upscaling • Well Completions • Well Control • Well Stimulation

<http://www.pe.tamu.edu/Research/FacultyResearchList.aspx>

Application Process

To obtain the conditional acceptance letter please follow the steps below.

Step 1

In an email titled "Science Without Borders Engineering PhD," please send the documents listed below to the email address malves@tamu.edu. The email should be written in English.

- Official transcript in English (does not need to be notarized)
- CV in English
- Statement of purpose (essay of why you would like to pursue your Ph.D. and why Texas A&M University)
- Three letters of recommendation (one must be from the student's master's degree advisor in Brazil)
- TOEFL score or date the test will be taken
- GRE score or date the test will be taken
- Short paragraph describing your research interest

Step 2

Once conditionally accepted by Texas A&M, apply to the Science Without Borders program for a scholarship at the scholarship application website of [CAPES](#) or [CNPq](#). Include your acceptance letter with your scholarship application. For more information, visit the Science Without Borders website.

Step 3

Once granted a scholarship, send a copy of your scholarship award letter to malves@tamu.edu. A Texas A&M advisor will contact you for guidance on your official application, visa documents and other necessities.

