



Enrollment Fall 2013
Texas A&M Data and Research Services

Undergraduate Students	1,232	Graduate Students	414
		Master's	168
		Ph.D.	246

Quality Indicators

Total Faculty	46
Professors	24
Associate Professors	13
Assistant Professors	9

U.S. News & World Report Rankings
Rankings Among Public Institutions

8	Undergraduate
9	Graduate

Endowed Chair Holders	4
Endowed Professorship Holders	9
Development Professorship Holders	2
Distinguished Professors	3

Centers and Laboratories

- Acoustics and Signal Processing Laboratory
- Adaptive Soft Materials Laboratory
- Advanced Computational Mechanics Laboratory
- Advanced Engine Research Laboratory
- Bio Chem Air Quality Laboratory
- Biomaterials Laboratory
- Coal and Biomass Energy Laboratory
- Combustion and Reaction Characterization Laboratory
- Computational and Biomechanics Laboratory
- Computational Materials Science
- Convective Heat Transfer Laboratory
- Design Systems Laboratory
- E3 (Engines, Emissions, and Energy)
- Energy and Transport Sciences Laboratory
- Fluids, Turbulence, and Fundamental Transport Laboratory
- Gas Dynamics and Propulsion Laboratory
- Hybrid Multifunctional Composites Group
- Interface Group
- Laboratory for High Temperature Materials
- Multi-Phase Flows and Heat Transfer Laboratory
- Nano-Energy Laboratory
- Nanolayer and Thin Film Group
- Nanomaterials Processing and Atomic Imaging Laboratory
- NIML-Networked Intelligent Machines Laboratory
- Plasma Engineering and Diagnostics Laboratory
- Polymer Nano Composites Laboratory
- Precision Mechatronics Laboratory
- Shock Tube and Advanced Mixing Laboratory
- Surface Science Laboratory
- Thermo-Fluids Control Laboratory
- Tribology Group
- Tribology in Extreme Environments Laboratory
- Tribology and Microtribodynamics Laboratory
- Turbine Heat Transfer Laboratory
- Turbine Performance and Flow Research Laboratory
- Vibration Control and Electromechanics Lab

Research Areas listed on reverse side



Research Areas

Combustion and Fuels

- Aerosol Measurements
- Alternative and Biofuels
- Coal, Biomass and Animal Waste

Combustion

- Diesel Oxidation Catalysts
- Diesel Particulate Filters
- Emissions Catalysts
- Energy Engine Emission
- Exhaust Aftertreatment
- Fuel Cells
- Gasification
- Internal Combustion Engine Performance
- Pollutants Formation (NOx, Hg) and Control
- Selective Catalytic Reduction
- Thermodynamics and Energy Analysis of Engines
- Three-way Catalysts

Energy Systems

- Air-Conditioner Performance Evaluations
- Alternate Refrigerants
- Building Energy Management Systems
- Building Energy Monitoring and Analysis
- Defrost Cycle Improvements
- Dynamic Simulation of Energy Systems
- Electrochemical Energy Storage and Conversion
- Energy Analysis and Diagnostic Center (EADC)
- Fuel Cells and Batteries
- Ground Coupled Heat Pumps
- Heat and Mass Transfer in Attic Systems
- HVAC Control Systems
- Industrial Energy Assessment
- Industrial Energy Efficiency Improvements
- Infiltration Effect on Energy Use in Buildings
- Thermal Energy Storage Evaluations
- Thermoelectrics

Fluid Mechanics

- Aerodynamic Analog Laboratory
 - Aerosol Technology
 - Laser Anemometry
 - Tribology (Lubrication)
 - Tribochemistry
- Computational Fluid Mechanics

Heat Transfer

- Boiling/Condensation
- Conduction Heat Transfer
- Heat and Mass Transfer
- Turbine Heat Transfer
- Two-phase Heat Transfer

Innovation and Design

- Design for Manufacturability
- Design Methodology/Cognition Issues
- Origami Engineering Design
- Bio-inspired Design

Materials And Mechanics

- Advanced High Temperature Ceramics
- Advanced Multifunctional Composites
- Computational Mechanics
- Corrosion of Coated Systems
- Elastic Properties in Advanced Materials
- Friction and Wear of Materials
- Microtribodynamics
- Multilayer Thin Films and Nanomechanics
- Nature-inspired Materials, Devices and Systems
- Self-Assembled Monolayers
- Severe Plastic Deformation
- Solid Mechanics
- Structural and Functional Materials
- Superplasticity and Advanced Machining Techniques

- Surface and Interface Properties of Advanced Materials
- Synthesis and Characterization of Nanomaterials and Hybrid Materials
- Thermodynamics and Phase Stability
- Transformational Materials

Mechanical Systems and Controls

- Acoustics
- Controls
- Manufacturing
- Robotics
- Vehicle Dynamics
- Vibrations

Polymer Science and Engineering

- Engineering Properties of Polymers and Polymeric Composites
- Materials Synthesis
- Polymer Nanocomposites
- Polymer Processing

Turbomachinery

- Computational Fluid Mechanics
- Heat Transfer
- Performance Research
- Rotordynamics