Enrollment  Fall 2014
Texas A&M Data and Research Services

<table>
<thead>
<tr>
<th>Undergraduate Students</th>
<th>Graduate Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>970</td>
<td>430</td>
</tr>
<tr>
<td>Master's</td>
<td>190</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>240</td>
</tr>
</tbody>
</table>

### Quality Indicators

<table>
<thead>
<tr>
<th>Total Faculty</th>
<th>Professors</th>
<th>Associate Professors</th>
<th>Assistant Professors</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>24</td>
<td>14</td>
<td>14</td>
</tr>
</tbody>
</table>

### Centers and Laboratories

| Acoustics and Signal Processing Laboratory | Hybrid Multifunctional Composites Group |
| Adaptive Soft Materials Laboratory       | Industrial Assessment Center           |
| Advanced Computational Mechanics Laboratory | Interface Group                       |
| Advanced Engine Research Laboratory      | Laboratory for High Temperature Materials |
| Advanced NanoManufacturing Laboratory    | Laboratory for Low Carbon Energy and Sustainable Environment |
| Aerosol Technology Laboratory            | Microstructural Engineering of Structural and Active Materials |
| A&M Bipedal Experimental Robotics Laboratory | Multi-Phase Flows and Heat Transfer Laboratory |
| Bio Chem Air Quality Laboratory          | Nano-Energy Laboratory                 |
| Biomaterials Laboratory                  | Nanometal Group                        |
| BioMechanical Environments Laboratory    | Nanomaterials Processing and Atomic Imaging Laboratory |
| Bone Biomechanics Laboratory             | NIML-Networked Intelligent Machines Laboratory |
| Coal and Biomass Energy Laboratory       | Plasma Engineering and Diagnostics Laboratory |
| Combustion and Reaction Characterization Laboratory | Polymer NanoComposites Laboratory |
| Computational and Biomechanics Laboratory | Polymer Technology Center |
| Computational Design Lab                 | Precision Mechatronics Laboratory     |
| Computational Materials Science          | Rotodynamics Tribology Group           |
| Convective Heat Transfer Laboratory      | Surface Science Laboratory             |
| Design Systems Laboratory                | Thermo-Fluids Control Laboratory       |
| E3 (Engines, Emissions, and Energy)      | Tribology in Extreme Environments Laboratory |
| Energy and Transport Sciences Laboratory | Tribology and Microtribodynamics Laboratory |
| Energy Systems Laboratory                | Turbine Heat Transfer Laboratory       |
| Fluids, Turbulence, and Fundamental Transport Laboratory | Turbine Performance and Flow Research Laboratory |
| Gas Dynamics and Propulsion Laboratory   | Turbomachinery Laboratory             |
| Human Rehabilitation Group               | 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