

WANT TO BECOME  
PART OF OUR  
**STORY?**



MECHANICAL AND  
AEROSPACE ARE  
**CLASSIC**  
DISCIPLINES BEING  
CALLED THE "NEW  
**HOT AREA**"

### Classic

BS, MS, and PhD programs in mechanical engineering (ME)  
and aerospace engineering (AE)

AE and ME graduate programs ranked among the top 25 in  
the US by the National Research Council

Over 1000 undergraduate students and 200 graduate  
students

Fifth largest mechanical and aerospace engineering  
department in the nation

Over 60 faculty and staff



Current building

### Hot

Adding 10 new faculty positions

Annual research expenditures of \$8M and growing

Broken ground for a new 220,000 ft<sup>2</sup> building on the  
engineering mall

#### **Bioengineering**

Bio-mechanics (fluids and solids); Rehabilitation engineering;  
Precision surgery

#### **Nanotechnology**

Nano-manipulation; Dynamics of nano-mechanical systems;  
Nano/micro-particle transport

#### **Energy and Environmental Systems**

Alternative fuels; Renewable technologies

#### **Advanced Materials and Manufacturing**

Precision metrology; Smart materials; Auto-adaptive materials

#### **Robotics and Sensor Technologies**

Opto-mechanical systems; MEMS; Power supply harvesting;  
Human centric & bio-inspired intelligence

#### **Transportation**

Space vehicles; Propulsion systems and fuels; Guidance,  
navigation and control; Structures, materials and mechanisms;  
Atmospheric entry to landing



Rendering of new building on Centennial Campus, construction began July 2007