

KEY INDUSTRY IN THE  
TEXAS INNOVATION CORRIDOR

# Materials Science



Materials science involves the use of the physical and chemical properties of a wide variety of materials, conductors and composites to create or improve end-products through research and production.

The materials science industry sector flourishes in the Texas Innovation Corridor because of the existing base of manufacturers and the fast-growing innovation capacity at Texas State University and its STAR Park research complex.

**1,400  
EMPLOYED**

In Materials Science

**13.8% EMPLOYMENT  
GROWTH**

5-Year Forecast

**6,600 TX STATE  
STUDENTS**

In Talent Pipeline

## TEXAS STATE UNIVERSITY

### MAJOR RESEARCH UNIVERSITY

Texas State has made significant strides in its quest to become a major research university, including its reclassification as an Emerging Research University.



### STATE OF THE ART FACILITIES

Because of its industry-friendly approach, less stringent intellectual property policies, and availability of hundreds of millions of dollars' worth of cutting-edge research equipment for contracted use (including labs for polymer and nanocomposite synthesis and characterization), Texas State is becoming a more prominent player in the super-regional commercialization landscape.

### INCUBATING START-UPS

Texas State's STAR Park (pictured) enhances the region's employment base through the incubation of startup companies, particularly in materials science. In fact, nearly all the firms housed in the STAR One building are focused on materials science products, processes, and applications.

Material Science production firms incubating at STAR Park include:

- **Quantum Materials Corporation:** Manufacturer of tetrapod quantum dots for products like solar cells, lasers and photonic devices, computer memory, and storage devices.
- **MicroPower Global:** Producer of semiconductor devices that convert heat directly into electricity.

### KEY COMPANIES

**Basler Plastics, LLC**

**Ember Industries**

**ENF Technology**

**Hadco**

**Heldenfels Enterprises**

**Martin Marietta**

**TB Wood's, Inc.**

**Thermon Engineering**

**Urban Mining Company**

**Visionary Fiber  
Technologies**

**GREATER SAN MARCOS**  
PARTNERSHIP

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