

# ENGINEERING TECHNOLOGY

## STRUCTURAL ANALYSIS AND DESIGN



## Bachelor of Science in Engineering Technology

### Structural Analysis and Design in Engineering Technology

Graduates of the Structural Analysis and Design in Engineering Technology (SAD) program receive training in laboratories equipped with modern equipment that facilitate hands-on learning and problem-solving.

The curriculum is designed to prepare students for careers in a wide range of industries. Graduates are qualified to apply their knowledge in a number of structural design, fabrication, construction, and other related positions. Professional employment opportunities are available in city, county, state public works, state highway departments, construction and design firms, fabrication companies, and geotechnical testing firms.

## About the Program

The Bachelor of Science degree in Engineering Technology (BSET) is a 120-credit-hour program that will prepare you to master the application of computer technology, modern materials and construction techniques to the overall design of structures—from project planning to costs estimates to project management.

The B.S.E.T. in Structural Analysis and Design is accredited by the Engineering Technology Accreditation Commission of ABET.  
[www.abet.org](http://www.abet.org)

UHD is accredited by the Southern Association of Colleges and Schools Commission on Colleges.

## Getting Started

- 1. Apply for Admissions**  
[applytexas.org](http://applytexas.org)
- 2. Apply for Financial Aid**  
[fafsa.ed.gov](http://fafsa.ed.gov)
- 3. Fulfill Testing Requirements**  
[uhd.edu/testing](http://uhd.edu/testing)
- 4. Get Advised and Register**  
[uhd.edu/academics/advising](http://uhd.edu/academics/advising)
- 5. Pay for Classes**  
[uhd.edu/students-resources/cashiers](http://uhd.edu/students-resources/cashiers)
- 6. Prepare for Class**

For more information, visit:  
[uhd.edu/admissions/apply](http://uhd.edu/admissions/apply)

## Median Salary

According to the U.S. Department of Labor Bureau of Labor Statistics (BLS), the 2016 national average salary for: Civil Engineering Technician is **\$49,980**;  
Materials Engineer is **\$93,310**;  
Engineering Manager is **\$134,730**;  
Construction Manager is **\$89,300**;  
Materials Scientists is **\$75,420**.

## Earn Your Degree

- Downtown

## Contact

University of Houston-Downtown  
713-221-8089 • [cset@uhd.edu](mailto:cset@uhd.edu)  
[uhd.edu/BSET](http://uhd.edu/BSET)

### Affiliated Student Organizations

Students of the **SAD Engineering Technology Program** have countless opportunities to learn and grow beyond the classroom by participating in the following Student Organizations:

#### **American Society of Civil Engineers (ASCE)**

Founded in 1852, ASCE is the oldest national engineering society that advances professional knowledge and improves the practice of civil engineering.

#### **Houston American Concrete Institute (ACI)**

Founded in 1904, ACI provides technical knowledge for the production of concrete.



### Career Options

Graduates of this program are qualified to apply their knowledge in a number of structural design, construction, and other related positions. The curriculum is designed to prepare students for careers in a wide range of industries:

