

# ENGINEERING, ASSOCIATE OF SCIENCE IN ENGINEERING



## Engineer Your Path to Success

Everything is engineered. Every building, bridge, highway, pipeline, vehicle, toy, computer, athletic shoe – every manmade object is taken from idea to reality by engineers. San Jacinto College offers an Associate of Science in Engineering (ASE) degree designed to transfer to Texas public universities that includes courses in physics, chemistry, math, and engineering.

With this foundation, you'll shape the future of space travel or develop our next great energy source. You may secure the world's supply of fresh water or build the next Olympic stadium. An engineering degree gives you unlimited options to pursue ambitious goals and succeed.

An ASE from San Jacinto College:

- promotes maximum **transferability** for students and offers courses based on a particular field of engineering and the institution to which they will transfer;
- helps students develop **skills** for the management of natural resources, environmental restoration, and the design, installation, and improvement of integrated systems of business and manufacturing in a variety of fields; and
- prepares students for **careers** in biomedical engineering, chemical engineering, civil engineering, computer and electrical engineering, industrial engineering, mechanical engineering, petroleum engineering, and more.

## Additional Information

San Jacinto College participates in the Voluntary Mechanical Engineering Transfer Compact. The Transfer Compact represents 77 percent of the Texas public universities offering mechanical engineering and 75 percent of the Texas public community or technical colleges offering lower-division engineering courses. The Compact guarantees transfer credit for community college students accepted into university mechanical engineering programs.

In order to transfer to a four-year institution, students must meet any and all entrance requirements of the receiving institution, including grade point averages and/or testing requirements.

## Career Opportunities

Graduates of this program are prepared to become engineering professionals working in a wide range of fields such as designing water systems, highways, manufacturing systems, piping systems for chemical plants, bridges, computers, and even toy making.

## Earning Potential

Chemical engineer: \$173,343<sup>1</sup>

Environmental engineer: \$131,655<sup>1</sup>

Mechanical engineer: \$125,852<sup>1</sup>

Civil engineer: \$104,913<sup>1</sup>

Aerospace engineer: 133,115<sup>1</sup>

<sup>1</sup> Source: [www.texaswages.com](http://www.texaswages.com) (<http://texaswages.com>) annual median salary after earning a bachelor's degree, Gulf Coast region, 2021

## Campuses

Central Campus

Generation Park Campus

North Campus

South Campus