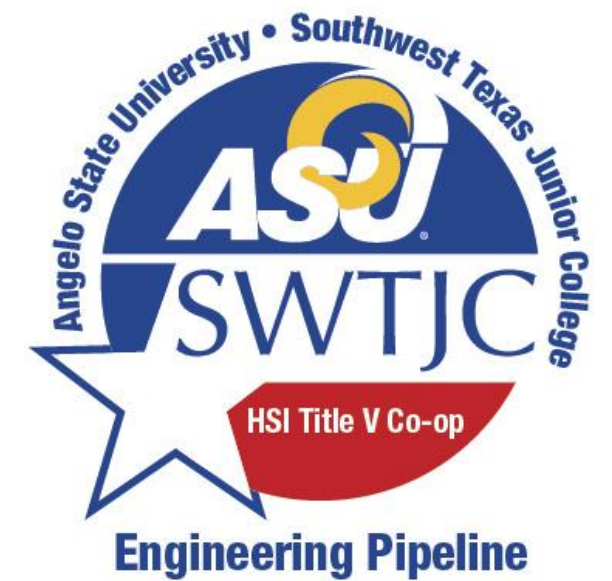


# Why Civil Engineering?

Angelo State University was awarded a five-year, \$2.87 million grant under the U.S. Department of Education Developing Hispanic Serving Institutions program for a cooperative project between ASU and Southwest Texas Junior College that is titled “Strengthening the Engineering Pipeline in West Texas” (STEP West Texas).

In anticipation of an increase in employment opportunities for civil engineers, Southwest Texas Jr. College and Angelo State University began offering a Civil Engineering Career Pathway. By first completing an Associate of Science in Engineering Science degree at Southwest Texas Junior College, students may save on average \$40,000 when compared to the cost of the same education at a state or private school.



## Career Outlook

Civil engineering is projected to grow 8.4-percent, even faster than the 4-percent growth for engineers or the 6.5-percent growth for all occupations. Three engineering occupations are projected to lose jobs from 2014 to 2024. Electronics engineers, except computer, are projected to lose about 1,900 jobs or 1.4 percent. Aerospace engineers are projected to lose about 1,600 jobs or 2.3 percent. Nuclear engineers are projected to lose about 700 jobs or 4.0 percent.

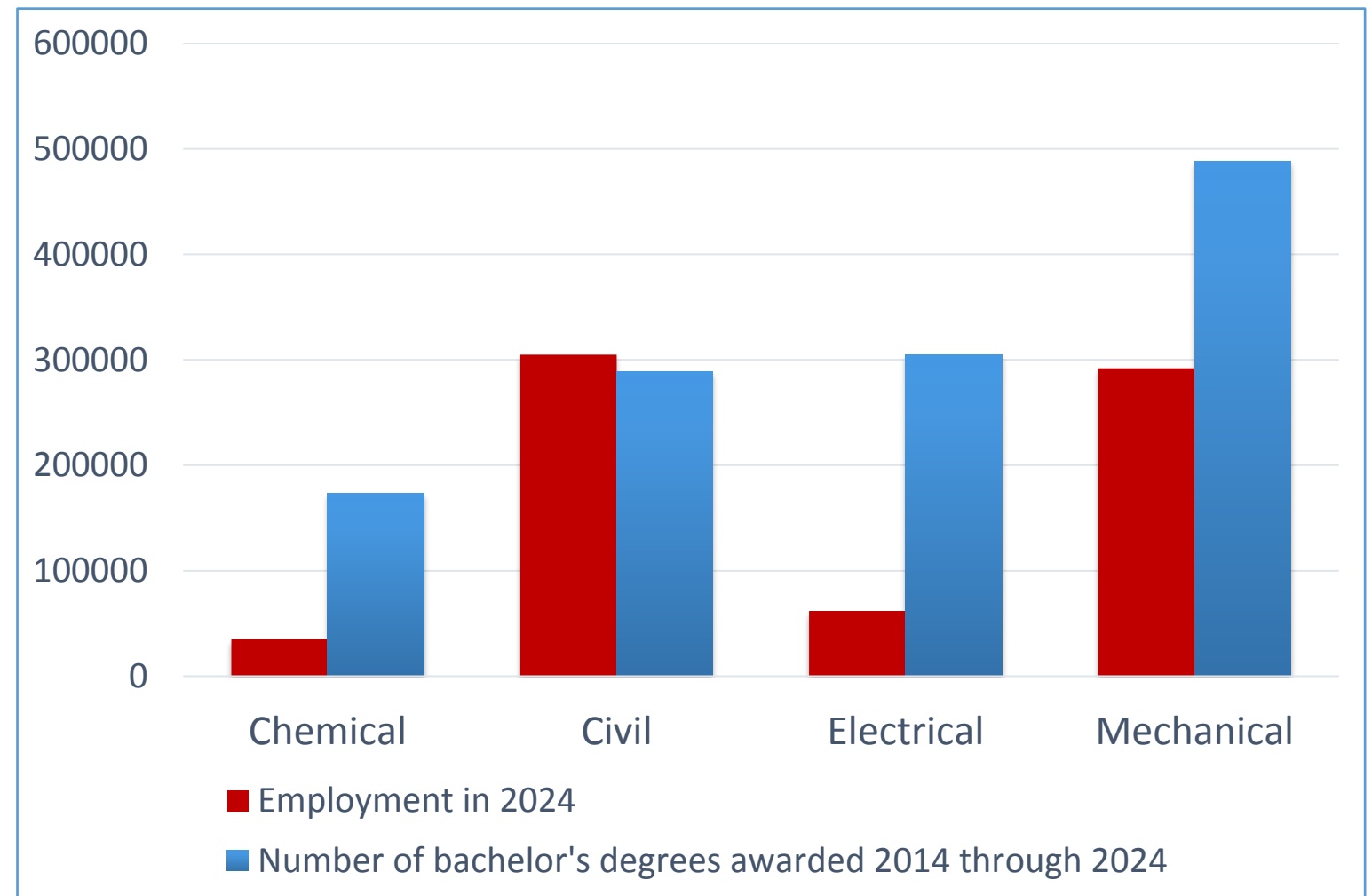
## Expected Earnings

Occupation	Median Wage in 2015 (Texas)	Median Wage in 2015 (US)
Civil Engineering	\$87,900	\$82,220
Surveyor	\$56,370	\$58,010

## Career Paths

Earthquake engineering	Environmental engineering	Municipal or urban engineering
Forensic engineering	Geotechnical engineering	Structural engineering
Control engineering	Construction	Surveying
Coastal engineering	Land development	Transportation
Energy	Materials science	Water resources

## Projected number of bachelor's degrees vs. projected employment in engineering discipline



For more information, please contact our STEM Outreach Coordinator, visit [swtjc.libguides.com/stem](http://swtjc.libguides.com/stem) or follow the QR code provided.

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