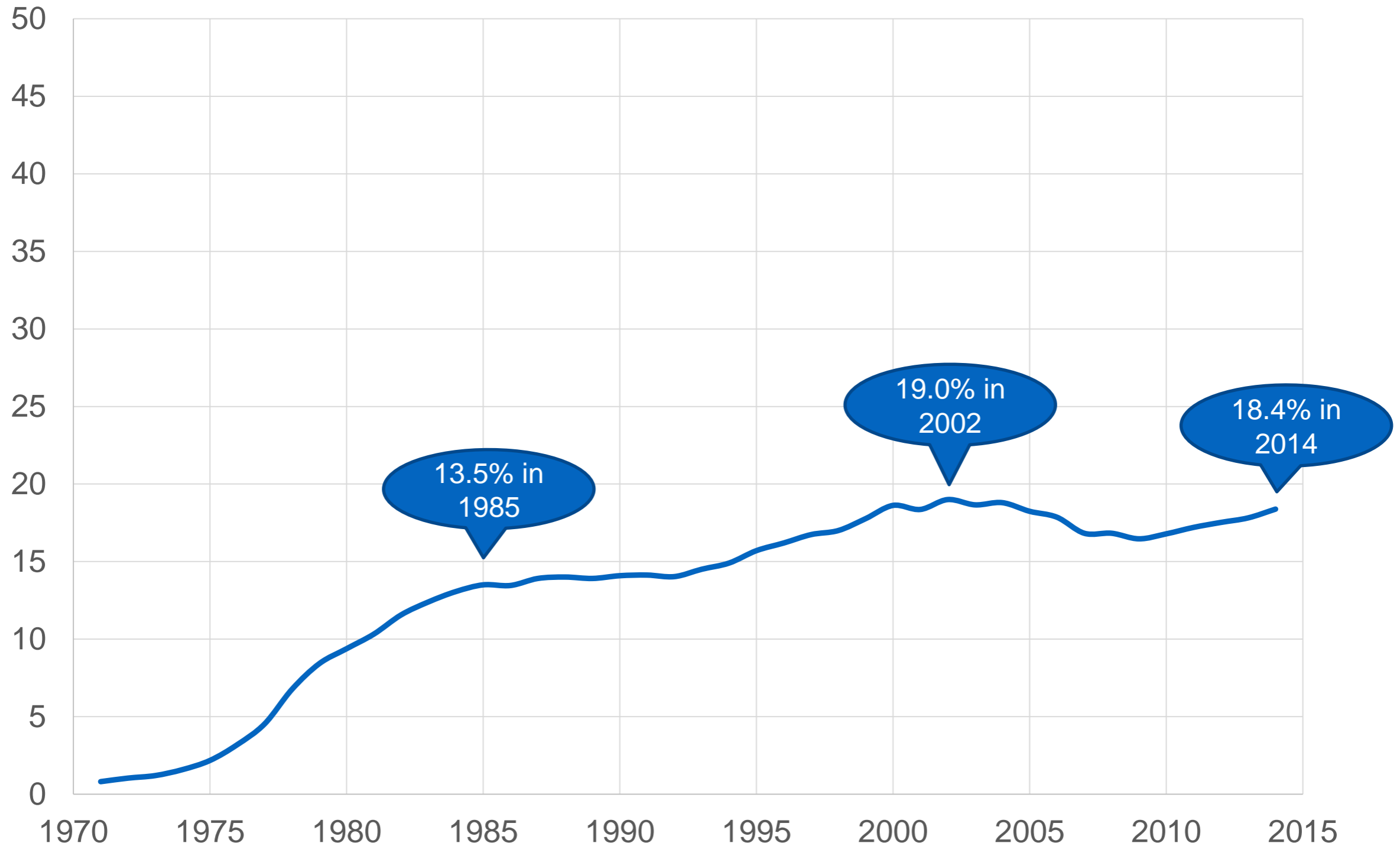
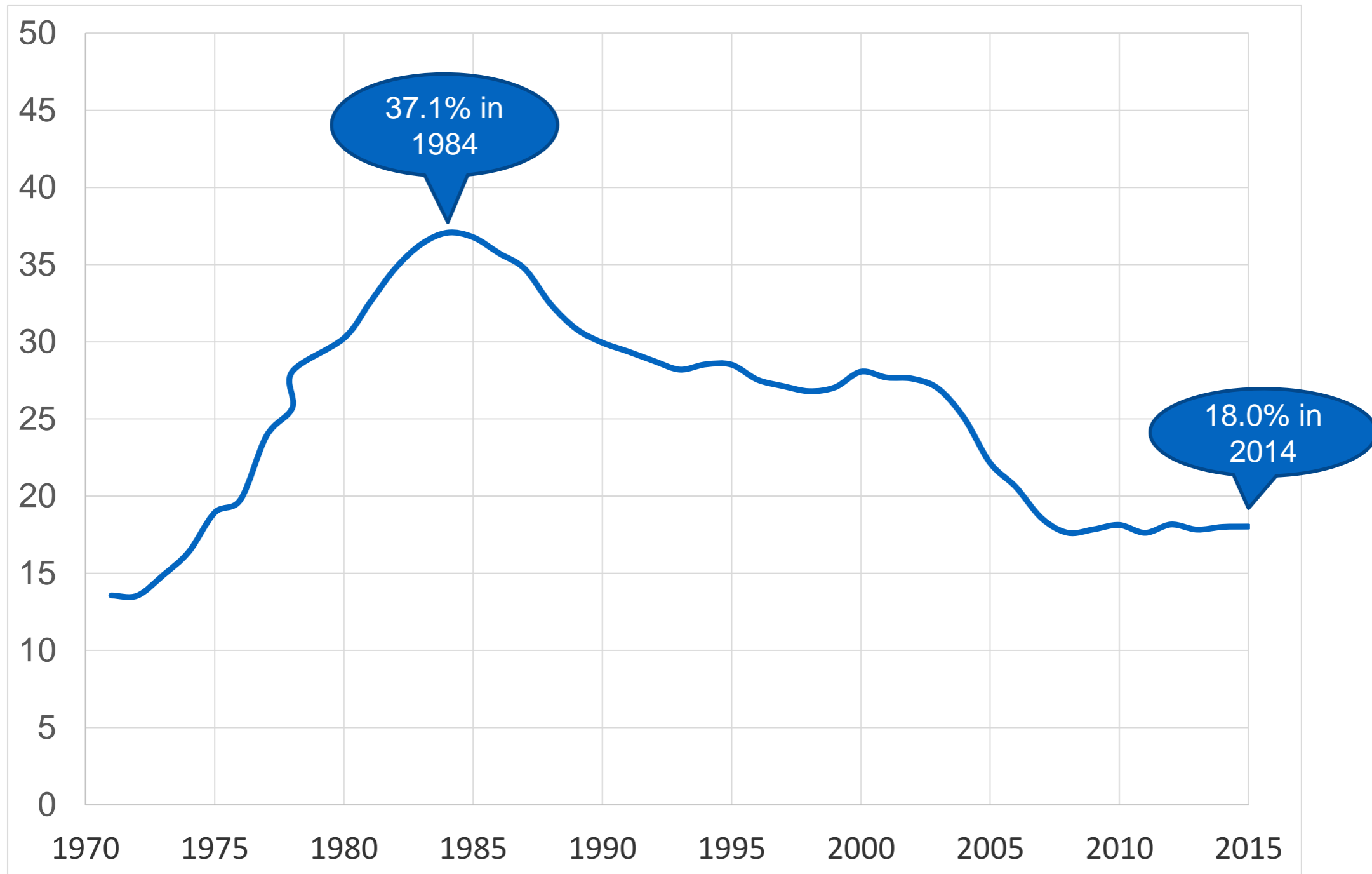


Percent Women Engineering Graduates in US



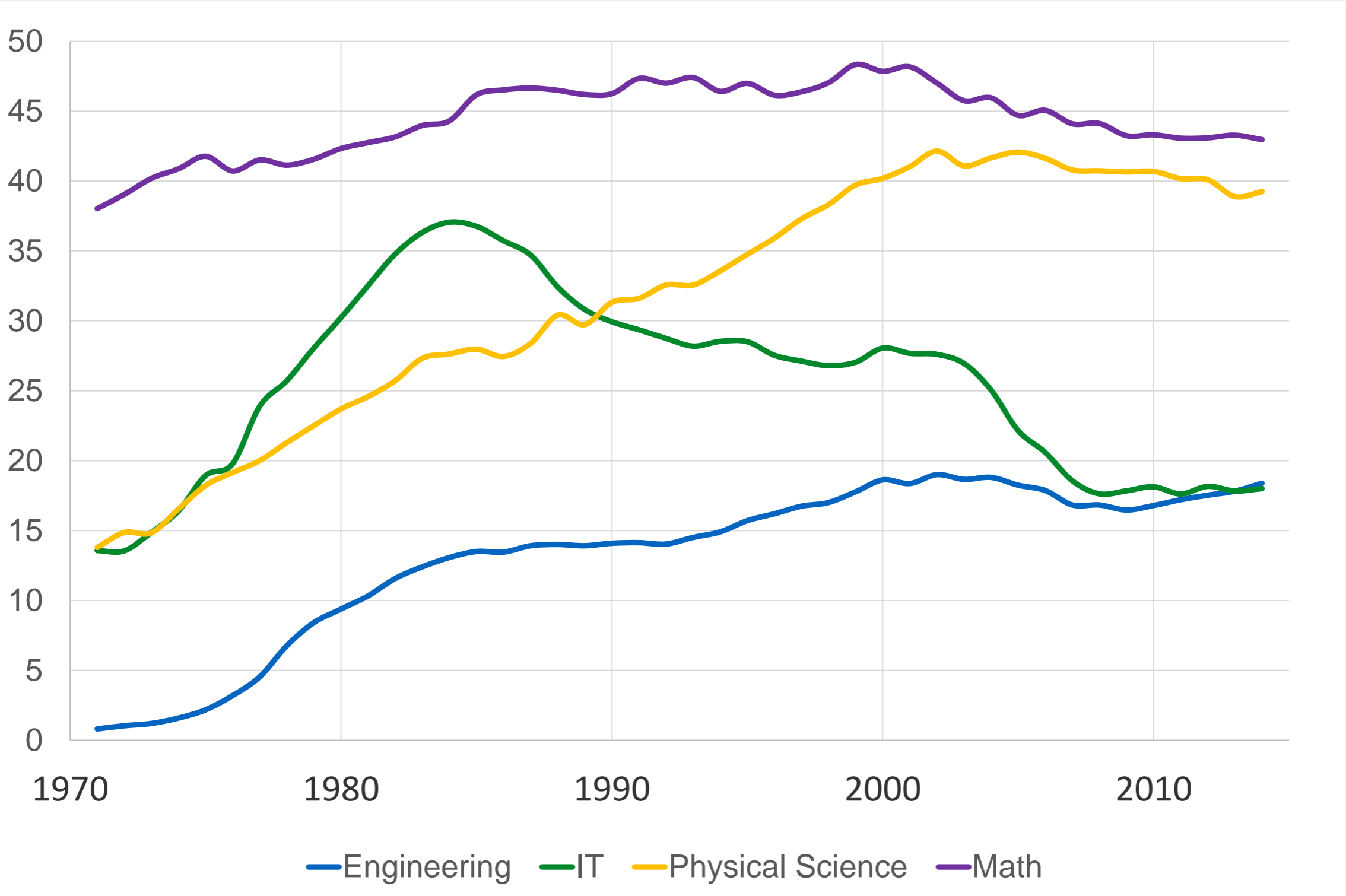
From Bureau of Labor Statistics

Percent Women IT Graduates in US



From Bureau of Labor Statistics

Percent Women STEM Graduates in US



From Bureau of Labor Statistics

How Many Working in STEM?

| | Total (thousands) | Women | African Americans | Latino |
|---------------------------------|----------------------|------------|----------------------|------------|
| total work force | 153,337 | 47% | 12% | 17% |
| Aerospace Engineers | 148 | 9% | 8% | 6% |
| Chemical Engineers | 77 | 17% | 2% | 4% |
| Civil Engineers | 461 | 14% | 6% | 11% |
| Computer Hardware Engineers | 80 | 17% | 6% | 8% |
| Electrical/Electronic Engineers | 284 | 12% | 4% | 9% |
| Industrial Engineers | 221 | 23% | 5% | 6% |
| Mechanical Engineers | 344 | 9% | 4% | 6% |
| Petroleum Engineers | 24 | na | na | na |
| Architects | 253 | 29% | 2% | 9% |
| Physical Scientists | 301 | 47% | 4% | 8% |
| Software Developers | 1,536 | 19% | 6% | 6% |

From Bureau of Labor Statistics, 2017 <https://www.bls.gov/cps/cpsaat11.htm>

Highest Early Career Pay with Bachelor's Degree

| Major | Early Career Pay |
|------------------------------|------------------|
| Petroleum Engineering | \$94,600 |
| Actuarial Mathematics | \$56,400 |
| Actuarial Science | \$61,200 |
| Nuclear Engineering | \$69,000 |
| Chemical Engineering | \$70,300 |
| Marine Engineering | \$73,900 |
| Economics and Mathematics | \$60,000 |
| Geophysics | \$54,100 |
| Cognitive Science | \$54,000 |
| Electrical Power Engineering | \$68,600 |

What research says- why more not interested in Engineering

Don't know what engineers do

- Exposure to engineering significantly increases teens (male and female) considering engineering (Intel, 2011)

Want profession that helps people

- STEM careers often don't appeal to women (or men) because they value making social contribution. Teens incorrectly don't associate engineering with helping society or individuals (AAUW, 2010)

Think they don't "look" like an engineer

- Main culprit for gender disparity: inaccurate stereotypes as geeky, brilliant, socially-awkward males (Uni of Wisconsin, 2015)

How to increase students' interest and Diversity in Engineering

Student Issues

Don't know what engineers do



RePicture Engineering Solution

Tell the stories of engineering

Want profession that helps people



Make stories of engineering about who it benefits

Think they don't "look" like an engineer



Tell the stories of all engineers