Georgia’s Teacher, Engineer, Computer Science Degree Production Trends

20 Year Trends

Math Education (average rate) 58
Science Education (average rate) 23
Chemistry Education (average rate) 1
Physics Education (average rate) 1/4
Engineering Education (average rate) 0
Computer Science Education (average rate) 0

20 Year Average - Georgia BS/BA Production Rates for Secondary Education

Negatively

USG Undergraduate Teacher Production is at the lowest level in over 25 Years and is effectively ZERO for most secondary education STEM degrees.

Positively

Informal STEM Learning systems correlates strongly with the rise in Engineering and Computer Science degree production. The endorsement of FIRST by the State of Georgia increased team growth, which will increase the production rate of engineers and computer science degrees even more than today.

10 Year Trends

USG Degree Production
Engineering and Computer Science

3X Increase
Increase in Masters degrees starting in 2016 due to Georgia Tech online Masters program implemented in 2014

2X Increase
Increase in 2012 correlates to informal engineering initiatives such as FIRST. The drop in total product between 2017 and 2018 is due to a reduction at Georgia Tech. The undergraduate enrollment had been overenrolled and the system was returning to a balanced condition

The vertical bar is when Georgia adopted FIRST as a CTSO.

The economy is more STEM Dependent
By 2040, 1/2 of the U.S. Population Will Live in 8 States, Including Georgia

Teacher Supply is Declining
Population is Growing

Informal STEM Learning systems correlates strongly with the rise in Engineering and Computer Science degree production.