

# STEM

A **STEM** job is *any job* that requires specialized knowledge in

SCIENCE

TECHNOLOGY

ENGINEERING

MATHEMATICS

in VIRGINIA BEACH-NORFOLK-NEWPORT NEWS, VA-NC metropolitan area



Previous STEM studies have neglected the many blue collar and technical jobs that require considerable STEM knowledge. But this study finds that **50%** of STEM jobs **do not require a bachelor's degree**. As a result, STEM knowledge plays a much larger role in our economy than previously thought.

## STEM JOBS, 2011

JOBS, 2011

**JOBS**  
**151,490**  
RANK: 35 out 100

**JOB SHARE**  
**21.6%**  
RANK: 20 out 100

SCIENCE 67,450 (9.6%)	ENGINEERING 93,080 (13.3%)
COMPUTERS 32,130 (4.6%)	MATH 43,160 (6.2%)

## STEM JOBS, BY DEGREE REQUIRED

BY DEGREE REQUIRED

**BACHELOR'S OR MORE**  
**45.4%**  
RANK: 62 out 100



**ASSOCIATES' OR LESS**  
**54.6%**  
RANK: 39 out 100

## STEM WAGES

WAGES

**ALL JOBS**  
STEM \$64,398  
NON-STEM \$35,469

**JOBS REQUIRING A BACHELOR'S OR MORE**  
STEM \$80,450  
NON-STEM \$58,092

**JOBS REQUIRING AN ASSOCIATES' OR LESS**  
STEM \$51,050  
NON-STEM \$38,846

### Top Virginia Occupational Projections

2012 VA Median Wage		2020 Projected Employment	2012 VA Median Wage		2020 Projected Employment
\$35,020	<b>High School Diploma</b>		\$54,810	<b>Bachelor's Degree</b>	
\$36,660	Manufacturing Maint. & Repair Workers	35,802	\$55,480	Elementary School Teachers	44,796
\$37,800	Carpenters	34,726	\$64,260	Secondary School Teachers	26,915
\$42,740	Retail Sales Supervisors	50,223	\$68,710	Market Research Analysts & Specialists	16,737
\$43,970	Plumbers, Pipefitters & Steamfitters	18,231	\$77,650	Accountants & Auditors	47,032
	Industrial Machinery Mechanics	10,282	\$80,150	Civil Engineers	11,876
	<b>Postsecondary Certificate</b>		\$85,000	Financial Analysts	11,569
\$35,880	Heavy & Tractor-Trailer Truck Drivers	46,334	\$91,160	Network & Systems Architects & Admin	27,294
\$39,210	Licensed Practical Nurses	25,741	\$91,870	Business Management Analysts	72,140
\$40,450	Automotive Service Technicians	26,539	\$111,710	Computer Systems Analysts	42,177
\$44,330	Electricians	23,186	\$112,410	Business General & Operations Managers	59,361
\$56,110	Manufacturing Production Supervisors	14,492		Software Developers, Systems Software	48,184
	<b>Some College</b>			<b>Master's Degree</b>	
\$47,100	Police & Sheriff's Patrol Officers	17,798	\$42,730	Mental Health Counselors	10,384
\$47,360	Executive Secretaries & Assistants	26,915		<b>Professional Degree</b>	
	<b>Associate's Degree</b>		\$115,730	Lawyers	23,275
\$89,060	Construction Managers	18,336			
\$62,630	Registered Nurses	77,857			

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