

# A CAREER IN STEM

Encompassing the fields of Science, Technology, Engineering, and Mathematics, STEM careers are often considered to be the jobs of the future. STEM workers use their knowledge of these subjects to try to understand how the world works and to solve its problems.

During the 2018 to 2028 Projection period for Rhode Island, employment in STEM occupations is projected to grow 9.3 percent, much faster than the 3.9 percent growth rate projected for all occupations in the state. During the projection period RI employers will seek to fill over 22,000 STEM openings resulting from both occupational growth and the need to replace workers who leave their occupation.

STEM occupations employ over 25,000 workers in Rhode Island

## Life, Physical & Social Science Jobs

2018 Employment: 3,660

2028 Employment: 3,987

Projected Increase: 327

**\$77,126**  
Average  
Annual Wage

## Computer & Math Jobs

2018 Employment: 14,131

2028 Employment: 15,601

Projected Increase: 1,470

**\$85,613**  
Average  
Annual Wage

## Architecture & Engineering Jobs

2018 Employment: 8,929

2028 Employment: 9,625

Projected Increase: 696

**\$87,963**  
Average  
Annual Wage

## Careers for Science Majors

Biologists, Postsecondary Science Teachers  
Medical Scientists, Environmental Specialists  
Chemists, Physicists, Zoologists

## Careers for Technology Majors

Software & Web Developers  
System & Security Analysts, Programmers  
Network & Database Administrators

## Careers for Engineering Majors

Mechanical, Civil & Industrial Engineers  
Cost Estimators, Industrial Production Managers  
Electrical & Electronics Engineers

## Careers for Math Majors

Financial Analysts & Specialists  
Actuaries, Statisticians & Survey Researchers  
Mathematicians, Economists, Teachers



# STEM JOBS IN RHODE ISLAND

Knowing which occupations are projected to have the most job openings and fastest growth may help you narrow your career options.

STEM occupations with the most total openings during the 2018-2028 projection period.	2018 Employment	2028 Employment	Total Openings	Median Hourly Wage
Software Developers, Applications	1,899	2,348	1,945	*\$52.95
Computer Systems Analysts	1,905	2,056	1,581	*\$45.06
Network and Computer Systems Administrators	1,820	1,912	1,394	*\$40.77
Computer and Information Systems Managers	1,305	1,430	1,191	\$70.65
Computer User Support Specialists	1,267	1,375	1,191	*\$25.33
Computer Network Support Specialists	1,134	1,211	1,039	*\$31.47
Mechanical Engineers	1,342	1,408	997	\$45.72
Electronics Engineers, Except Computer	1,123	1,168	801	\$60.07
Computer Hardware Engineers	832	961	775	\$48.21
Civil Engineers	865	932	766	\$39.21
Sales Reps, Wholesale & Manufacturing, Technical and Scientific Products	665	705	758	\$31.11
Computer Programmers	1,171	1,110	740	*\$42.88
Software Developers, Systems Software	736	848	670	*\$52.95
Electrical and Electronics Engineering Technicians	580	641	656	\$33.89
Industrial Engineers	774	853	634	\$46.99
Web Developers	531	603	502	*\$37.12
Operations Research Analysts	462	573	448	\$49.31
Electrical Engineers	529	594	435	\$47.87
Architectural and Engineering Managers	494	529	404	\$76.45
Information Security Analysts	352	452	386	*\$49.80
Environmental Scientists and Specialists, Including Health	313	343	384	\$38.63
Database Administrators	415	448	339	\$47.53
Computer and Information Research Scientists	399	419	334	*\$60.97
Civil Engineering Technicians	282	294	292	\$25.33
Computer Network Architects	355	382	283	*\$56.14
Architectural and Civil Drafters	255	264	276	\$26.58
Architects, Except Landscape and Naval	285	312	256	\$36.33
Chemical Technicians	194	196	196	\$23.24
Engineering Teachers, Postsecondary	202	219	191	\$119,650
Mathematical Science Teachers, Postsecondary	224	225	187	\$96,040
Chemists	183	193	180	\$43.84

Occupational wages are from the May 2020 Occupational Employment Statistics Survey.

\*National Wage Provided from May 2020 Occupational Employment Statistics Survey.

STEM Occupations - <https://www.bls.gov/spotlight/2017/science-technology-engineering-and-mathematics-stem-occupations-past-present-and-future/pdf/science-technology-engineering-and-mathematics-stem-occupations-past-present-and-future.pdf>



A publication of the Labor Market Information Unit

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