

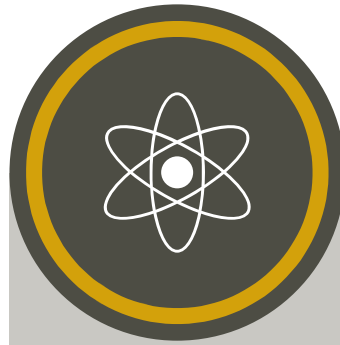
# CAREER LADDER STEM

Last Updated: February 2024

# NOVA

Northern Virginia  
Community College

[www.nvcc.edu/LMI](http://www.nvcc.edu/LMI)



## Physical & Life Sciences



## Math & Technology



## Engineering

### High School Diploma or GED



*No high-growth jobs at the HS Diploma/GED level in this pathway*

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### Certificate or Diploma (1-2 yrs.)

Diploma, Certificate, License, or Apprenticeship Programs



Surveying and Mapping Technicians, Veterinary Assistants, Laboratory Animal Caretakers

**\$16.52 - \$22.30/hr.**  
465 Postings

Computer User Support Specialists

**\$25.81/hr.**  
5,085 Postings

*No high-growth jobs at the Certificate/Diploma level in this pathway*

### Associate Degree (2 yrs.)



Laboratory Technicians, Laboratory Analysts, Veterinary Technicians, Chemical Analysts, Environmental Specialists, Remote Sensing Technicians

**\$53,016 - \$59,525/yr.**  
1,943 Postings

Statistical Assistants, Computer Network Support Specialists

**\$55,041 - \$92,835/yr.**  
616 Postings

Civil, Mechanical, and Electrical Drafters/Designers; Engineering Technicians: Aerospace, Civil, Electrical/Electronic, Environmental, and Mechanical

**\$51,024 - \$83,016/yr.**  
815 Postings

### Bachelor's Degree (4 yrs.)



Laboratory Technologists, Forensic Science Technicians, Chemists, Meteorologists, Environmental Scientists, Ecologists, Environmental Engineers, Bioinformatics Technicians, Biomedical Engineers, Cartographers, Surveyors, Scientific/Technical Product Sales Representatives

**\$54,572 - \$160,646/yr.**  
2,640 Postings

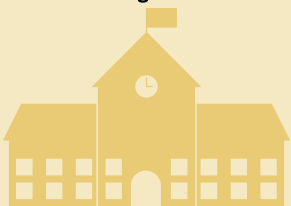
Actuaries, Mathematical Technicians, Financial Quantitative Analysts, Business Intelligence Analysts, Computer Systems Analysts, Computer Network Architects, Database Administrators & Architects, Operations Research Analysts, Software Developers, Programmers

**\$100,945 - \$160,646/yr.**  
51,757 Postings

Engineers: Aerospace, Biomedical, Civil, Computer Hardware, Electrical, Environmental, Health and Safety, Industrial, Mechanical, Sales and all other

**\$99,619 - \$154,249/yr.**  
9,130 Postings

### Post-Graduate Degree



Laboratory Scientists, Clinical Data Managers, Epidemiologists, Veterinarians, Biochemists, Biostatisticians, Physicists, Engineering Managers, Environmental Economists

**\$104,137 - \$182,172/yr.**  
7,662 Postings

Statisticians, Mathematicians, Data Scientists, Computer Scientists/Research Engineers, Economists

**\$109,784 - \$127,275/yr.**  
5,527 Postings

Engineering Managers

**\$182,172/yr.**  
1,586 Postings

Occupations grouped by level of education typically required for employment, as determined by the Bureau of Labor Statistics (BLS). Openings represent the total number of online job postings from February 1, 2023 to January 31, 2024 in the NOVA region, as compiled by Lightcast. Wages represent the 25th percentile of hourly pay for positions at the High School/GED and Certificate/Diploma levels, and median annual salaries for positions at the associate, bachelor, and post-graduate degree levels. Wages calculated by Lightcast based on 2022 Occupational Employment and Wage Statistics (OES) data from the BLS.