

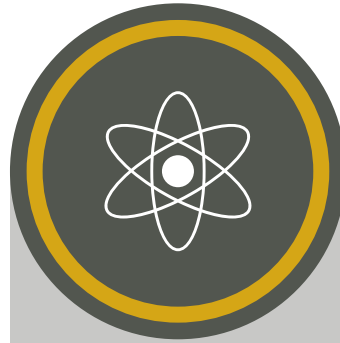
# CAREER LADDER STEM

Last Updated: February 2025

# NOVA

Northern Virginia  
Community College

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



## Physical & Life Sciences

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

Surveying and Mapping Technicians, Veterinary Assistants, Laboratory Animal Caretakers

**\$16.60 - \$23.91/hr.**  
666 Postings



## Math & Technology

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

Computer User Support Specialists

**\$27.62/hr.**  
4,879 Postings



## Engineering

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

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

### High School Diploma or GED

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

Diploma, Certificate, License, or Apprenticeship Programs

### Associate Degree (2 yrs.)

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

**\$59,327 - \$101,757/yr.**  
1,812 Postings

Statistical Assistants, Computer Network Support Specialists

**\$56,112 - \$86,865/yr.**  
203 Postings

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

**\$54,846 - \$95,270/yr.**  
592 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

**\$62,069 - \$146,109/yr.**  
3,967 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

**\$69,267 - \$154,110/yr.**  
50,008 Postings

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

**\$96,133 - \$164,173/yr.**  
6,893 Postings

### Post-Graduate Degree

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

**\$91,054 - \$193,631/yr.**  
10,114 Postings

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

**\$122,064 - \$173,550/yr.**  
8,206 Postings

Engineering Managers

**\$193,631/yr.**  
1,243 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 January 1, 2024 to December 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 2023 Occupational Employment and Wage Statistics (OEWS) data from the BLS.