

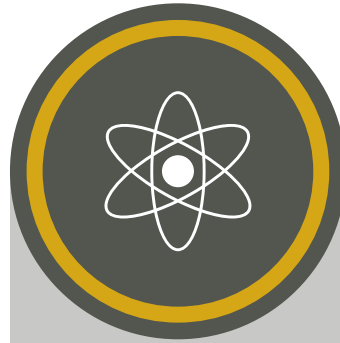
CAREER LADDER STEM

Last Updated: August 2022

NOVA

Northern Virginia
Community College

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
\$13.77 - \$18.81/hr.
491 Postings

Computer User Support Specialists
\$19.83/hr.
6,324 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
\$48,000 - \$72,300/yr.
1,858 Postings

Statistical Assistants, Computer Network Support Specialists
\$60,200 - \$84,000/yr.
871 Postings

Civil, Mechanical, and Electrical Drafters/Designers; Engineering Technicians: Aerospace, Civil, Electrical/Electronic, Environmental, and Mechanical
\$53,900 - \$84,700/yr.
679 Postings

Bachelor's Degree (4 yrs.)

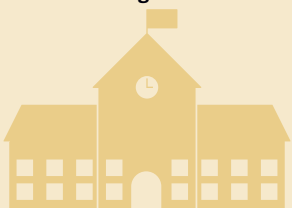


Laboratory Technologists, Forensic Science Technicians, Chemists, Meteorologists, Environmental Scientists, Ecologists, Environmental Engineers, Bioinformatics Technicians, Biomedical Engineers, Cartographers, Surveyors, Scientific/Technical Product Sales Representatives
\$56,900 - \$133,200/yr.
2,031 Postings

Actuaries, Mathematical Technicians, Financial Quantitative Analysts, Business Intelligence Analysts, Computer Systems Analysts, Computer Network Architects, Database Administrators & Architects, Operations Research Analysts
\$104,700 - \$142,700/yr.
27,142 Postings

Engineers: Aerospace, Biomedical, Civil, Computer Hardware, Electrical, Environmental, Health and Safety, Industrial, Mechanical, Sales and all other
\$100,200 - \$152,700/yr.
9,288 Postings

Post-Graduate Degree



Laboratory Scientists, Clinical Data Managers, Epidemiologists, Veterinarians, Biochemists, Biostatisticians, Physicists, Engineering Managers
\$113,300 - \$158,800/yr.
1,288 Postings

Statisticians, Mathematicians, Data Scientists, Computer Scientists/Research Engineers, Economists
\$113,300 - \$164,700/yr.
3,653 Postings

Engineering Managers
\$158,800/yr.
2,292 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 August 1, 2021 to July 31, 2022 in the NOVA region, as compiled by Burning Glass Technologies. Wages represent entry-level hourly pay for positions at the High School/GED and Certificate/Diploma levels, and average annual salaries for positions at the associate, bachelor, and post-graduate degree levels. Wages calculated by JobsEQ based on 2021 Occupational Employment Statistics (OES) data from the BLS.