



STEM Opportunities in WV Higher Education Policy Commission

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Science,
Technology
& Research

HEPC Highlights (more info at <https://www.collegeforwv.com/>)

WV Invests

- Pays base tuition, mandatory & academic program fees for WV residents willing to stay in state 2 years after completion
- Certificate or associate degrees at 9 community colleges & 1 baccalaureate institution (Potomac State WVU)
- High demand programs including STEM options



Engineering, Science & Technology Scholarship

- \$3,000 per year up to 4 years if maintain 3.0 GPA
- Bachelor, associate or certificate degrees in STEM fields at 25 2-year and 4-year institutions (public and private)
- Must work full time in designated profession for each year of grant or repay it as a loan



Remember to Check programs, schools and career options to make sure they qualify.

Community and Technical College Pathways

Advanced Career Education Pathways (ACE): Agreements between High Schools/Career & Technical Centers and Community Colleges/Universities. Examples:

- Pre-engineering: Wood County Technical/Caperton Center and WVU Parkersburg
- Advanced Manufacturing: Berkeley Springs HS and Blue Ridge CTC
- Machine Tool: United Technical Center and Mountwest CTC

Other opportunities:

- Northern is working on pre-engineering program
- BridgeValley AEP STEM Education Grant: computer and advanced manufacturing courses, industrial robotics for Nitro and Riverside High School students. Activities to interest students in STEM.

Special Programs for STEM Students

- First2 Network for first generation and underrepresented STEM majors first 2 years of college (National Science Foundation) <https://first2network.org/>
- Health Sciences & Technology Academy HSTA (National Institutes of Health) for middle and high school students interested in science <http://www.wv-hsta.org/>
- CodeWV: Provides Computer Science class curricula for K-12 classes <https://stemcenter.wvu.edu/programs/codewv>
- NewForce; Partnership between Mountwest CTC and Generation WV to train computer programmers <https://newforce.co/>
- Project Lead the Way (Engineering WVU and Marshall) <https://www.pltw.org/about-us/>
- Louis Stokes Alliances for Minority Participation (LSAMP) at WVU, Marshall and WVSU <https://www.uky.edu/kywv-lsamp/>
- Scientist Spotlight Videos <https://westvirginiaresearch.org/publications/science-research-video-series>

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