



2022-23

## STEM Approved Programs/Majors by Institution

### Blue Ridge Community and Technical College

APPLIED LABORATORY TECHNICIAN  
APPLIED LABORATORY TECHNOLOGY  
CISCO CERTIFIED NETWORK ASSOCIATE  
CISCO NETWORKING  
COMPUTER AIDED DRAFTING  
COMPUTER NETWORKING ENGINEERING  
TECHNOLOGIES  
CYBER SECURITY  
DATABASE MANAGEMENT  
DIGITAL MEDIA SPECIALIST  
ELECTRIC DISTRIBUTION TECHNOLOGY  
ENVIRONMENTAL SCIENCE TECHNOLOGY  
INFORMATION SECURITY  
INFORMATION TECHNOLOGY  
INSTRUMENTATION  
MECHATRONICS  
NETWORK SPECIALITIES  
PLASTICS ENGINEERING TECHNOLOGY  
RENEWABLE ENERGY SYSTEMS  
ROBOTICS  
SOFTWARE DEVELOPMENT ENGINEERING  
SYSTEMS NETWORKING  
TECHNICAL STUDIES  
TECHNOLOGY SYSTEMS

### Bluefield State College

APPLIED SCIENCE  
ARCHITECTURAL ENGINEERING TECHNOLOGY  
CIVIL ENGINEERING TECHNOLOGY  
COMPUTER SCIENCE  
ELECTRICAL ENGINEERING TECHNOLOGY  
ENGINEERING MANAGEMENT  
MECHANICAL ENGINEERING TECHNOLOGY



BridgeValley Community and Technical College

ADVANCED MANUFACTURING  
CHEMICAL OPERATIONS  
CIVIL ENGINEERING TECHNOLOGY  
COMPUTER AND INFORMATION TECHNOLOGY  
COMPUTER MAINTENANCE AND NETWORKING  
COMPUTER SCI TECHNOLOGY-WEB DESIGN & DEVELOPMENT  
COMPUTER SCIENCE TECHNOLOGY-SOFTWARE DEVELOPER  
CYBER SECURITY  
ELECTRICAL ENGINEERING TECHNOLOGY  
HIGHWAY ENGINEERING TECHNOLOGY  
INSTRUMENTATION, MEASUREMENT & CONTROL  
TECHNOLOGY  
MECHANICAL ENGINEERING TECH  
NETWORK ENGINEERING  
PROCESS TECHNOLOGY  
TECHNICAL STUDIES

Concord University

BIOLOGY  
CHEMISTRY  
COMPUTER INFORMATION SYSTEMS  
COMPUTER SCIENCE  
ENVIRONMENTAL GEOSCIENCES  
MATHEMATICS

Eastern WV Community and Technical College

BIOLOGICAL AND ENVIRONMENTAL  
TECHNOLOGY  
ELECTROMECHANICAL TECHNOLOGY  
INFORMATION TECHNOLOGY  
TECHNICAL STUDIES  
WIND ENERGY TECHNOLOGY



Fairmont State University

ARCHITECTURAL ENGINEERING TECHNOLOGY  
ARCHITECTURE  
AVIATION TECHNOLOGY  
BIOLOGY  
CHEMISTRY  
CIVIL ENGINEERING TECH  
CIVIL ENGINEERING TECHNOLOGY  
COMPUTER SCIENCE  
ELECTRONICS ENGINEERING TECHNOLOGY  
FORENSICS  
INFORMATION SYSTEMS MANAGEMENT  
MATHEMATICS  
MECHANICAL ENGINEERING TECHNOLOGY  
OCCUPATIONAL SAFETY  
SAFETY ENGINEERING TECHNOLOGY  
SURVEYING AND GEOMATIC ENGINEERING  
TECHNOLOGY

Glenville State College

BIOLOGY  
CHEMISTRY  
LAND SURVEYING  
TECHNICAL STUDIES

Marshall University

BIOLOGICAL SCIENCE  
BIOMEDICAL ENGINEERING  
CHEMISTRY  
CIVIL ENGINEERING  
COMPUTER SCIENCE  
CYTOTECHNOLOGY  
DIGITAL FORENSICS AND INFORMATION  
ASSURANCES  
ELECTRICAL/COMPUTER ENGINEERING



ENGINEERING  
ENVIRONMENTAL SCIENCE  
GEOLOGY  
INTEGRATED SCIENCE AND TECHNOLOGY  
MATHEMATICS  
MECHANICAL ENGINEERING  
MEDICAL LABORATORY SCIENCES  
PHYSICS  
SAFETY TECHNOLOGY (NON-TEACHING)

Mountwest Community and Technical College

BIOMEDICAL INSTRUMENTATION  
TECHNOLOGY  
CISCO CERTIFIED NETWORK ASSOCIATE  
ELECTRONICS TECHNOLOGY  
ENGINEERING DESIGN TECHNOLOGY  
HEALTH INFORMATICS  
INFORMATION TECHNOLOGY  
MICROSOFT CERTIFIED SOLUTIONS  
ASSOCIATE  
MICROSOFT CERTIFIED SOLUTIONS EXPERT  
MULTIMEDIA DESIGN  
TECHNICAL STUDIES

New River Community and Technical College

COMPUTER SCIENCE  
CYBERSECURITY  
INDUSTRIAL TECHNOLOGY  
IT FOUNDATIONS  
TECHNICAL STUDIES

Pierpont Community and Technical College

ADVANCED WELDING  
APPLIED PROCESS TECHNOLOGY  
CYBER SECURITY  
DRAFTING/DESIGN ENGINEERING  
TECHNOLOGY  
GRAPHICS TECHNOLOGY  
INFO SYSTEMS



MINING MAINTENANCE TECHNOLOGY  
PETROLEUM TECHNOLOGY  
TECHNICAL DRAFTING  
TECHNICAL STUDIES

Shepherd University

BIOLOGY  
CHEMISTRY  
COMPUTER & INFO SCIENCES  
COMPUTER ENGINEERING  
COMPUTER INFORMATION TECHNOLOGY  
DATA ANALYTICS  
ENGINEERING SCIENCE  
ENVIRONMENTAL STUDIES  
MATHEMATICS

Southern WV Community and Technical College

ELECTRICAL ENGINEERING TECHNOLOGY  
ELECTROMECHANICAL INSTRUMENTATION  
TECHNOLOGY  
INDUSTRIAL TECHNOLOGY  
INFORMATION TECHNOLOGY  
MECHATRONICS  
TECHNICAL STUDIES

West Liberty University

BIOLOGY  
CHEMISTRY  
MEDICAL LABORATORY SCIENCE

West Virginia State University

BIOLOGY  
CHEMISTRY  
COMPUTER SCIENCE  
ENGINEERING  
MATHEMATICS



West Virginia University

AEROSPACE ENGINEERING  
BACHELOR OF ENGINEERING TECHNOLOGY  
BIOLOGY  
CHEMICAL ENGINEERING  
CHEMISTRY  
CIVIL ENGINEERING  
COMPUTER ENGINEERING  
COMPUTER INFORMATION SYSTEMS  
COMPUTER SCIENCE  
ELECTRICAL ENGINEERING  
ELECTRONIC ENGINEERING TECHNOLOGY  
ENGINEERING  
FORENSIC INVESTIGATION  
INDUSTRIAL TECHNOLOGY  
INFORMATION SYSTEMS  
MATHEMATICS  
MECHANICAL ENGINEERING  
TECHNICAL STUDIES  
AEROSPACE ENGINEERING  
ANIMAL AND NUTRITIONAL SCIENCES  
BIOCHEMISTRY  
BIOLOGY  
BIOMEDICAL ENGINEERING  
BIOMETRIC SYSTEMS ENGINEERING  
CHEMICAL ENGINEERING  
CHEMISTRY  
CIVIL ENGINEERING  
COMPUTER ENGINEERING  
COMPUTER SCIENCE  
CYBERSECURITY  
ELECTRICAL ENGINEERING  
ENVIRONMENTAL GEOSCIENCE  
EXERCISE PHYSIOLOGY  
FORENSIC AND INVESTIGATIVE SCIENCE  
GEOLOGY  
IMMUNOLOGY AND MEDICAL  
MICROBIOLOGY



INDUSTRIAL ENGINEERING  
LANDSCAPE ARCHITECTURE  
MATHEMATICS  
MECHANICAL ENGINEERING  
MEDICAL LABORATORY SCIENCE  
MINING ENGINEERING  
NEUROSCIENCE  
PETROLEUM & NATURAL GAS ENGINEERING  
PHYSICS  
PLANT AND SOIL SCIENCES  
WILDLIFE AND FISHERIES RESOURCES  
WOOD SCIENCE & TECHNOLOGY

WV Northern Community College

ADVANCED MANUFACTURING  
CYBERSECURITY  
INFORMATION TECHNOLOGY  
INSTRUMENTATION PROCESS TECHNOLOGY  
PETROLEUM TECHNOLOGY  
POWER PLANT TECHNOLOGY  
TECHNICAL STUDIES

WVU at Parkersburg

PHYSICS  
ADVANCED MANUFACTURING TECHNOLOGY  
APPLIED TECHNOLOGY  
CHEMICAL AND POLYMER OPERATOR  
TECHNOLOGY  
COMPUTER INFORMATION TECHNOLOGY  
COMPUTER SCIENCE  
DIGITAL COMMUNICATION  
DRAFTING  
ELECTRICITY AND INSTRUMENTATION  
TECHNICAL STUDIES



Alderson Broaddus University

BIOLOGY  
CHEMISTRY  
COMPUTER SCIENCE  
CYBER SECURITY  
ENVIRONMENTAL SCIENCE  
MATHEMATICS

Bethany College

BIOLOGY  
CHEMISTRY  
COMPUTER SCIENCE  
CYBER SECURITY  
ENVIRONMENTAL SCIENCE  
MATHEMATICS  
PRE-ENGINEERING/PHYSICAL SCIENCE

Davis and Elkins College

BIOLOGY  
BIOLOGY AND ENVIRONMENTAL SCIENCES  
CHEMISTRY  
COMPUTER SCIENCE  
ENVIRONMENTAL SCIENCE  
MATHEMATICS  
SUSTAINABILITY STUDIES

Ohio Valley University

BIOCHEMISTRY  
BIOLOGY  
SCIENCE (PRE-PROFESSIONAL)

University of Charleston

APPLIED COMPUTER SCIENCE  
BIOCHEMISTRY  
BIOLOGY





CHEMISTRY  
CYBER SECURITY  
DIGITAL MEDIA DESIGN

West Virginia Wesleyan College

APPLIED PHYSICS  
BIOCHEMISTRY  
BIOLOGY  
CHEMISTRY  
COMPUTER INFORMATION SCIENCE  
COMPUTER SCIENCE  
ENVIRONMENTAL STUDIES  
MATERIALS CHEMISTRY  
MATHEMATICS  
PHARMACEUTICAL SCIENCE  
PHYSICS

Wheeling University

BIOLOGY  
CHEMISTRY  
COMPUTER SCIENCE  
ENGINEERING SCIENCE  
ENVIRONMENT AND SUSTAINABILITY  
MATHEMATICS