



2020-21

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
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
INFORMATION SYSTEMS MANAGEMENT
MATHEMATICS
MECHANICAL ENGINEERING TECHNOLOGY
OCCUPATIONAL SAFETY
SAFETY ENGINEERING TECHNOLOGY
SURVEYING AND GEOMATIC ENGINEERING
TECHNOLOGY

Glennville State College

BIOLOGY
CHEMISTRY
LAND SURVEYING
TECHNICAL STUDIES

Marshall University

BIOLOGICAL SCIENCE
BIOMEDICAL ENGINEERING
CHEMISTRY
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 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
ANIMAL AND NUTRITIONAL SCIENCES
BACHELOR OF ENGINEERING TECHNOLOGY
BIOCHEMISTRY
BIOLOGY
BIOMEDICAL ENGINEERING
BIOMETRIC SYSTEMS ENGINEERING
CHEMICAL ENGINEERING
CHEMISTRY
CIVIL ENGINEERING
COMPUTER ENGINEERING
COMPUTER INFORMATION SYSTEMS
COMPUTER SCIENCE
CYBERSECURITY



ELECTRICAL ENGINEERING
ELECTRONIC ENGINEERING TECHNOLOGY
ENGINEERING
ENVIRONMENTAL GEOSCIENCE
EXERCISE PHYSIOLOGY
GEOLOGY
IMMUNOLOGY AND MEDICAL MICROBIOLOGY
INDUSTRIAL ENGINEERING
INDUSTRIAL TECHNOLOGY
INFORMATION SYSTEMS
LANDSCAPE ARCHITECTURE
MATHEMATICS
MECHANICAL ENGINEERING
MEDICAL LABORATORY SCIENCE
MINING ENGINEERING
NEUROSCIENCE
PETROLEUM & NATURAL GAS ENGINEERING
PHYSICS
PLANT AND SOIL SCIENCES
TECHNICAL STUDIES
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

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

BIOCHEMISTRY
BIOLOGY



CHEMISTRY

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