

# COMPUTER

CIP CODE 15.1202

Mr. Dunlap  
Mr. Burd

## ENGINEERING / CYBERSECURITY

... prepares individuals to apply engineering principles and technical skills in support of professionals who use computer systems.

### CERTIFICATIONS

Mircosoft Technology Associate  
Mircosoft Office Specialist  
CompTIA A+  
CompTIA Network+  
CompTIA Security+

### 3-YEAR BREAKDOWN

#### Year 1

Computer Fundamentals  
Computer Hardware  
Computer Software

#### Year 2

Computer Networking  
Cyber Security  
Customer Service  
Certifications

#### Year 3

Programming  
Networking/Virtualization  
Hardware/Trouble Shooting  
Databases/Cloud Technologies  
Certifications

### TEACHER BIO

Computer Analyst Coordinator of  
Multimedia Services at St. Vincent  
College - 8 Years

Computer Engineering Technology  
Instructor at Eastern Westmoreland  
CTC - 4 Years



Bachelor of Science - Electrical  
Engineering at PSU

Computer Gaming Industry - 5 years

Engineering Software Consulting  
20+ years (projects for NASA, Boeing  
and Lockheed Martin)



### CAREER PATHWAYS

IT Project Manager  
Network Administrator  
Service Desk Analyst  
Software Developer  
Database Administrator  
Web Developer  
Computer Support Specialist  
IT Manager / Director  
Information Security Analyst  
Business Analyst  
Business Application Specialist

### COLLEGE PATHWAYS

BA Associates  
Articulation  
Computer Programming  
Computer Networking/Virtualization/Security  
Advanced Hardware/Software/Troubleshooting  
Databases/Networking/Cloud Technologies

Computer Science  
Computer Engineering  
Business Information Systems  
Information Technology  
Cyber Security



It would take 1,000,000 human brains to store all of the information that can be found on the internet.

### INDUSTRY PARTNERS

Carpenter Technologies  
Kennametal  
Saint Vincent College  
LVTech  
InTech Solutions

INFORMATION TECHNOLOGY

