

FIRE SERVICE TECHNOLOGY - BASIC TECHNICAL CERTIFICATE (BTC)

Explore More About This Program: <http://cwi.edu/program/fire-service-technology>

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Describe the organizational structure and history of the fire service, explain its professional culture, apply standard operating procedures in practical scenarios, analyze how organizational and cultural factors influence operations, and evaluate safety strategies within the fire service industry.
- Describe the principles of fire behavior, explain the relationship between fire behavior and building construction, apply knowledge of fire protection systems, tools, equipment, and tactics in practical scenarios, analyze how these factors interact during fire suppression operations, and evaluate tactical decisions to enhance safety and effectiveness.
- Analyze and prioritize operational objectives and effectively communicate these objectives to their team during exposure to live fire incidents. Additionally, students will monitor changing incident conditions and accurately identify and clearly communicate at least two potential hazards in a concise manner. \\n
- Describe the principles of fire prevention and safety, explain their role in mission readiness, apply prevention strategies and safety protocols in practical scenarios, analyze risk factors that impact operational effectiveness, and evaluate methods for improving fire prevention and safety practices within the fire service.
- Describe the physical standards required in the fire service, explain their importance for operational readiness, apply fitness principles to meet these standards, and evaluate their own physical performance to ensure compliance with industry requirements.