FIRE SERVICE TECHNOLOGY - BASIC TECHNICAL CERTIFICATE (BTC)

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

Certificate Quick Facts

- **Instructional School**: Social Sciences and Public Affairs
- **Department**: Public Safety
- **Program Code**: FST.BTC
- **Program Type**: Career and Technical Education
- **Available Fully Online**: No
- **Eligible for Federal Financial Aid**: Yes

NOTE: Courses required for this program *may* have an additional fee; more information can be found on the Special Course Fees web page.

Certificate Requirements

Course	Course Title	Min Credits
Major Requirements		
FIRE 101	Fire Fighter	12
FIRE 110	Physical Fitness for Firefighters	1
Select one of the following elective courses to bring the total credits earned to 16:		3
BUSA 255	Leadership Development Skills	
COMM 101	Fundamentals of Oral Communication	
ENGL 101	Writing and Rhetoric I	
POLS 101	American National Government	
PSYC 101	Introduction to Psychology	
PSYC 140	Human Relations for Career and Personal Success	
Minimum Credit Hours Required		**16**

Certificate Plan

The course sequence listed below is strongly recommended in order to complete your program requirements. Many Career and Technical Education (CTE) courses have prerequisites and/or corequisites that have been accounted for within this course sequence plan. Please register for each semester as shown using the Student Planning tool in myCWI. Consult your advisor for any questions regarding this course sequence plan.

First Year

Fall		Credit Hours
FIRE 101	Fire Fighter	12
FIRE 110	Physical Fitness for Firefighters	1
Select one of the following elective courses to bring the total credits earned to 16:		3
BUSA 255	Leadership Development Skills	
COMM 101	Fundamentals of Oral Communication	
ENGL 101	Writing and Rhetoric I	
POLS 101	American National Government	
PSYC 101	Introduction to Psychology	
PSYC 140	Human Relations for Career and Personal Success	
	Total Semester Credit Hours	**16**
	Minimum Credit Hours Required	**16**

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.