

Driver Operator Certificate

Program Learning Outcomes (PLOs)		Measurable Student Learning Outcomes (MSLOs)- PLO Alignment		
		FSC111	FSC117	FSC118
1. (Analysis Level) Analyze the duties and responsibilities of the fire apparatus driver operator.		✓		
2. (Evaluation Level) Explain the importance of apparatus maintenance procedures, inspection procedures and documentation and critique case studies.		✓		
3. (Application Level) Safely maneuver and position fire apparatus.		✓		
4. (Analysis Level) Analyze the types and uses of pumps, nozzles, valves and appliances to prepare for operations.		✓	✓	✓
5. (Analysis Level) Calculate the flow pressure involving fire pumps, nozzles, valves, appliances and foam distribution for a variety of fire conditions.		✓	✓	✓
6. (Application Level) Safely conduct fire pump operations during emergency and non emergency incidents.		✓	✓	✓
7. (Evaluation Level) Explain the evolution of fire apparatus and evaluate the pumper classifications currently in use in the fire service.			✓	
8. (Evaluation Level) Analyze and critique driving procedures for safely driving fire apparatus and identify common causes of accidents and strategize how to avoid hazards and prevent driver error.		✓	✓	
9. (Analysis Level) Analyze the roles and responsibilities of an emergency vehicle operator.		✓		
10. (Evaluation Level) Examine types of serial apparatus, including their functions and methods of operation and determine which ones to use in various firefighting situations.			✓	

Fire Officer I Certificate

Program Learning Outcomes (PLOs)		Measurable Student Learning Outcomes (MSLOs)- PLO Alignment					
		FSC108	FSC119	FSC204	FSC206	FSC208	FSC220
1. (Analysis Level) Identify, explain and analyze the roles and responsibilities of the Fire Officer I.		✓	✓	✓			✓
2. (Evaluation Level) Evaluate the transition from firefighter to Fire Officer, including skills, knowledge and experience.							
3. (Comprehension Level) Explain the process for executing routine officer level tasks and identify evaluation processes.		✓			✓		
4. (Analysis Level) Analyze the components of resource management and task related assignments.				✓			
5. (Analysis Level) Examine case studies and assess integrity and ethical behavior in the fire service.			✓				
6. (Evaluation Level) Evaluate labor-management relationships within fire departments and the role of the fire officer.			✓				✓
7. (Analysis Level) Analyze training and coaching responsibilities of fire officers that promote safe and effective experiences and demonstrate effective techniques.			✓		✓	✓	✓
8. (Synthesis Level) Develop and demonstrate effective discipline techniques for unacceptable behavior based on fire service policy and employee assistance programs.							✓
9. (Synthesis Level) Develop methods of resolving community needs and abilities to initiate actions to address citizen's concerns.		✓			✓		
10. (Synthesis Level) Prepare a fire service program budget.			✓		✓		
11. (Evaluation Level) Evaluate the Fire Officer I role within the incident management system.			✓	✓	✓	✓	
12. (Evaluation Level) Evaluate the role of the Fire Officer I during fire prevention inspections and fire investigations.		✓				✓	

Wildland Firefighter I Certificate

Firefighter Operations Certificate

Program Learning Outcomes (PLOs)	Measurable Student Learning Outcomes (MSLOs)- PLO Alignment		
	FSC106	FSC140	FSC180
1. (Evaluation Level) Evaluate the characteristics of fire behavior and extinguishing agents. (FSC140)		✓	
2. (Analysis Level) Examine the theory of fire behavior, phases of fire and compare methods of fire control. (FSC140)	✓	✓	
3. (Application Level) Demonstrate the methods of attacking, controlling and extinguishing various types of fires. (FSC140)		✓	✓
4. (Application Level) Predict the impacts of public relations that will influence the strategies of fire suppression and property conservation. (FSC140)			
5. (Analysis Level) Analyze the policies and procedures that govern the practical application of modern firefighting and common terminology at the local and National levels. (FSC106)	✓	✓	✓
6. (Evaluation Level) Critique the resource deployment practices of fire suppression organizations, basic fire fighting tactics and strategies. (FSC106)	✓	✓	
7. (Synthesis Level) Categorize fire service resources, equipment and apparatus to determine their functions on an emergency incident. (FSC140)	✓	✓	
8. (Evaluation Level) Explain and critique the components of fire prevention including code enforcement, public information, and public and private fire protection systems. (FSC106)	✓		
9. (Analysis Level) Analyze the environmental factors of Wildland Fire that affect the start and spread of wildfire. (FSC180)			✓
10. (Application Level) Explain and demonstrate the maintenance, safety and efficient use of wildland fire suppression personal protective equipment. (FSC180)		✓	
11. (Analysis Level) Analyze the application of common wildland fire terms. (FSC180)			✓
12. (Application Level) Demonstrate the ability to extricate and immobilize a patient from an automobile using extrication tools. (FSC140)			