## Fire Course 1. Foundations of Firefighting and Emergency Medical Services

**Description:** Fire Fighting and Emergency Medical Services introduces students to the foundational concepts of firefighting safety and emergency medical services. Students will analyze Ohio Department of Public Safety Fire protection and Ohio Emergency Medical Services rules and regulations in preparation for Firefighter I&II curriculum and EMT licensure.

Outcome	8.8. 911 Telecommunication System: Process calls for assistance and dispatch first										
		responders according to protocol.									
Competencies	8.8.	8.8.1. Interact with first responders and personnel in the field and assist in									
		maintaining safety.									
	8.8.2. Communicate with the media and public.										
	8.8.	3. Identify and describe legal and liability issues related to the emergency									
		service telecommunicator (e.g., Federal Communications Commission [FCC]									
		requirements; Title 18, U. S. Code; National Fire Protection Association [NFPA] 1221).									
	8.8.										
		911 telecommunication centers.									
	8.8.	5. Manage and prioritize incoming calls for service and recognize calls that									
		require supervisor notification.									
	8.8.	6. Communicate concisely with callers based on the situation and the needs of									
		the caller.									
	8.8.	7. Manage and identify callers and provide special assistance as needed to									
		callers (e.g., hysterical, suicidal, mental or physical disability).									
	8.8.	,									
		immediate danger following guides and protocols.									
	8.8.										
		10. Document calls for service.									
	8.8.	11. Use radio dispatching techniques and procedures to process a request for									
		emergency services.									
	8.8.	8.8.12. Use call processing guidelines for law enforcement, fire, and emergency									
		medical service when dispatching.									
		8.8.13. Use law enforcement, fire, and emergency medical service terminology.									
	ŏ.ŏ.	14. Use geographical information system (GIS) and geographical positioning									
Dathways	Х	system (GPS) technology in emergency response operations.  Criminal Justice X Fire									
Pathways  Graph Practices	Λ										
<b>Green Practices</b>		Green-specific Context-dependent X Does not apply									

Outcome	5.1. Organization and Mission: Explain the organization, mission statement, policies, and procedures of a fire department and explain the role of a Firefighter within the organization.					
Competencies	5.1.1. Discuss the critical aspects of fire department's member assistance program, the critical aspects of NFPA 1500, Fire Department Occupational Safety and					
	Health Program.  5.1.2. State the mission of the fire service.  5.1.3. Describe the organization of the fire department.  5.1.4. Discuss the role of the Firefighter.					

	5.1.	5.1.5. Explain a fire department's standard operating procedures, rules, and								
		regulations as they apply to firefighters.								
	5.1.	5.1.6. Discuss the role of their agencies as they relate to the department.								
	5.1.	5.1.7. Discuss the value of fire and life safety initiatives supporting the fire								
		department's mission and to reduce the line of duty deaths.								
Pathways	Criminal Justice X Fire									
<b>Green Practices</b>		Green-specific	cific Context-de			ent	Х	Does not apply		

Outcome	4.2. Preparatory: Apply fundamental knowledge of the Emergency Medical									
	Services (EMS) system, safety/well-being of the Emergency Medical Technician									
	(EMT), and medical/legal and ethical issues to the provision of emergency care									
Competencies	4.2.1. Apply simple depth and foundational breadth of knowledge on EMS systems									
	including history of EMS, roles/responsibilities, professionalism of EMS									
	personnel, quality improvement, and patient safety.									
	4.2.2. Apply simple depth and breadth of knowledge on data collection and									
	research using evidence-based decision making.									
	4.2.3. Apply fundamental depth, foundational breadth of knowledge on workforce									
	safety and wellness including wellness principles, standard safety									
	precautions, personal protective equipment, stress management, dealing									
	with death and dying, prevention of work-related injuries, lifting and moving patients, and disease transmission.									
	4.2.4. Apply fundamental depth, foundational breadth of knowledge of									
	documentation on the principles of medical documentation and report									
	writing.									
	4.2.5. Apply simple depth, simple breadth of knowledge on EMS communication									
	systems, call for resources, transfer care of the patient, interaction within the									
	team structure, communication with other health care professionals, an									
	team communication and dynamics.									
	4.2.6. Apply simple depth, simple breadth of knowledge on the principles of communicating with patients in a manner that achieves a positive relationship including adjusting communication strategies for age, stage of									
	development, patients with special needs, and differing cultures.									
	4.2.7. Apply fundamental depth, foundational breadth of knowledge on interviewing techniques, verbal defusing strategies, and family presence									
	issues. 4.2.8. Apply fundamental depth, foundational breadth of knowledge on the									
	consent/refusal of care, expressed versus implied consent, advance									
	directives, tort and criminal actions, evidence preservation, statutory									
	responsibilities, mandatory reporting, and ethical principles/moral									
	obligations.									
Pathways	Criminal Justice X Fire									
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply									

Outcome	5.36.	Hazardous Materials: Identify and respond to hazardous material incidents.
		The firefighter candidate shall meet the requirements defined in Chapter 5,
		Core Competencies for Operations Level Responders, and 6.6, Mission-
		Specific Competencies Product Control, of NFPA 472, Standard for

		Competence of Responders to Hazardous Materials/Weapons of Mass								
		Destruction Incidents.								
Competencies	5.36	5.1. Identify different forms of hazardous materials.								
	5.36	5.2. Identify agencies that have resources to assist in hazards material incidents								
		(e.g., Emergency Management Agency [EMA], Environmental Protection								
		Agency [EPA], Federal Emergency Management Agency [FEMA]).								
	5.36	5.3. Identify and interpret hazards material labels and placards using the U. S.								
		Department of Transportation [DOT] Emergency Response Guidebook.								
	5.36	5.4. Read and interpret Material Safety Data Sheet (MSDS) forms and shipping								
		documents.								
	5.36	5.36.5. Identify sources of information on procedures for the safe cleanup, storage,								
	and disposal of hazardous materials (e.g., CHEMTREC).									
	5.36	5.6. Describe the purpose of a hazardous materials safety plan.								
Pathways	Χ	Criminal Justice X Fire								
<b>Green Practices</b>		Green-specific Context-dependent X Does not apply								

Outcome	6.4.	Hazardous Mater	rials: Identify and	describ	e nroc	edu	res for reacting to a			
Outcome	0.4.		•		•		-			
Compotoncies	<i>C</i> 1	chemical, biological, radiological, nuclear, and high-yield explosive (CBRNE).  4.1. Identify possible targets and outcomes of CBRNE attacks and procedures to								
Competencies	0.4.	, ,	-	omes o	CBRI	NE at	tacks and procedures to			
		prevent and miti	-							
	6.4.				_		yxiation, chemical,			
				_			, hazards, and harm.			
	6.4.	3. Implement self-	protective measu	res (e.g	., shie	lding	g, time, distance) based			
		on type of TRAC	EM incident.							
	6.4.	4. Cite evidence an	id evaluate warni	ng signs	of CB	RNE	incidents.			
	6.4.	5. Classify material	and summarize r	espons	e mea	sure	s that should be taken			
		with a CBRNE inc	cident.							
	6.4.	6. Draw conclusion	s based on hazar	d identi	ty and	l phy	sical environment to			
		develop a scene			•	. ,				
	6.4.	•	•	ifv CBR	NE ag	ents	and conduct a hazard			
		and risk assessm		, -						
	6.4.			s of CB	RNF a	gent	exposure and formulate			
	0	•	and fatality mana			_	•			
	6.4.						ate self, victims, site,			
	0.4.									
		equipment, and mass casualties based on chemical, biological, or								
	C 1	radiological agent. 6.4.10. Describe the unique crime scene and evidence preservation issues								
	6.4.				aence	pres	servation issues			
	associated with a CBRNE incident.									
	6.4.11. Plan the transition from the response phase to the recovery phase in a									
_		CBRNE incident.								
Pathways	Х	Criminal Justice		Х	Fire					
<b>Green Practices</b>		Green-specific	Context-dep	endent		Χ	Does not apply			

Outcome	6.5. I	Emergency Operations Plan: Describe the all-hazards emergency planning
		process from development to implementation of an emergency operations
	1	olan (EOP).
Competencies	6.5.1.	Describe an EOP and its purpose at the local, state, and federal level.

	6.5.	6.5.2. Identify public service systems and officials involved in planning.								
	6.5.	6.5.3. Identify and describe the four steps in emergency planning (i.e., hazard								
		analysis, EOP development, EOP testing, EOP maintenance and revision).								
	6.5.	<ol> <li>Identify and ana</li> </ol>	lyze l	nazards using	the fo	ur-ste	o haz	zard analysis method (i.e.,		
		identify hazard, profile hazard, profile community, determine vulnerability).								
	6.5.5. List and describe the basic components of an EOP.									
	6.5.6. Describe and differentiate functional annexes and hazard specific									
		appendices.								
	6.5.7. Activate the incident command system and implement an emergency									
	response following an EOP.									
Pathways	Χ	Criminal Justice			Χ	Fire				
<b>Green Practices</b>		Green-specific		Context-dep	enden	t	Χ	Does not apply		

Outcome	1 1	PEOLIIPED Employability	, Skil	lc: Dov	olon career awaren	0000	nd employability			
Outcome	II.	1.1. REQUIRED Employability Skills: Develop career awareness and employability skills (e.g., face-to-face, online) needed for gaining and maintaining								
	II.	employment in diverse business settings.								
Compotonsias	1.1.1.					, to c	uccood in caroors			
Competencies		,			· ·					
	1.1.2.	,				•				
	442	education, training, co								
	1.1.3.				ts career interests,	patn	ways, and secondary			
		and postsecondary or			· <b>(</b> !		and the desired			
	1.1.4.									
		associations, and orga				ig tec	thniques to develop			
	l <b>-</b>	and maintain professi			•		/ (11)			
	1.1.5.	, ,		•						
		job applications, résu		•	•	•				
	1.1.6.	'								
		demonstrate associat	ed b	ehavio	rs in fulfilling perso	nal, c	ommunity, and			
		workplace roles.								
	1.1.7.	''''	_		•	work-	related issues when			
		making decisions and			•					
	1.1.8.	1.1.8. Identify the correlation between emotions, behavior, and appearance and								
		manage those to establish and maintain professionalism.								
		Give and receive cons			•					
	II.	1.1.10. Adapt personal coping skills to adjust to taxing workplace demands.								
	1.1.11	1.1.11. Recognize different cultural beliefs and practices in the workplace and								
		demonstrate respect for them.								
	1.1.12. Identify healthy lifestyles that reduce the risk of chronic disease, unsafe									
		habits, and abusive be	ehavi	or.						
Pathways	Х	Pathway 1		X	Pathway 2					
	Х	Pathway 3		Х	X Pathway 4					
<b>Green Practices</b>		Green-specific	Χ	Conte	ext-dependent		Does not apply			

Outcome	1.2. REQUIRED Leadership and Communications: Process, maintain, evaluate, and					
	disseminate information in a business. Develop leadership and team building to					
	promote collaboration.					
Competencies	1.2.1. Extract relevant, valid information from materials and cite sources of					

	information.							
	1.2.2	Deliver formal and informal presentations.						
	1.2.3	Identify and use verbal, nonverbal, and active listening skills to communicate						
		effectively.						
	1.2.4	<ol> <li>Use negotiation and conflict-resolution skills to reach solutions.</li> </ol>						
	1.2.5	5. Communicate information (e.g., directions, ideas, vision, workplace						
		expectations) for an intended audience and purpose.						
	1.2.6	6. Use proper grammar and expression in all aspects of communication.						
	1.2.7	7. Use problem-solving and consensus-building techniques to draw conclusions						
		and determine next steps.						
	1.2.8	3. Identify the strengths, weaknesses, and characteristics of leadership styles						
		that influence internal and external workplace relationships.						
	1.2.9	0.0						
		communications (e.g., common content for large audience, control of tone,						
		speed, cost, lack of non-verbal cues, potential for forwarding information,						
	longevity).							
	1.2.10. Use interpersonal skills to provide group leadership, promote collaboration,							
	and work in a team.							
	1.2.11. Write professional correspondence, documents, job applications, and							
	résumés.							
	1.2.12. Use technical writing skills to complete forms and create reports.							
	1.2.13. Identify stakeholders and solicit their opinions.							
		4. Use motivational strategies to accomplish goals.						
Pathways	Х	Pathway 1 X Pathway 2						
	Х	Pathway 3 X Pathway 4						
<b>Green Practices</b>		Green-specific X Context-dependent Does not apply						

Outcome	1.3. REQUIRED Business Ethics and Law: Analyze how professional, ethical, and
	legal behavior contributes to continuous improvement in organizational
	performance and regulatory compliance.
Competencies	1.3.1. Analyze how regulatory compliance affects business operations and
	organizational performance.
	1.3.2. Follow protocols and practices necessary to maintain a clean, safe, and
	healthy work environment.
	1.3.3. Use ethical character traits consistent with workplace standards (e.g.,
	honesty, personal integrity, compassion, justice).
	1.3.4. Identify how federal and state consumer protection laws affect products and
	services.
	1.3.5. Access and implement safety compliance measures (e.g., quality assurance
	information, safety data sheets [SDSs], product safety data sheets [PSDSs],
	U.S. Environmental Protection Agency [EPA], United States Occupational
	Safety and Health Administration [OSHA]) that contribute to the continuous
	improvement of the organization.
	1.3.6. Identify deceptive practices (e.g., bait and switch, identity theft, unlawful
	door-to-door sales, deceptive service estimates, fraudulent
	misrepresentations) and their overall impact on organizational performance.
	1.3.7. Identify the labor laws that affect employment and the consequences of

		•	noncompliance for both employee and employer (e.g., harassment, labor, employment, employment interview, testing, minor labor laws, Americans						
		with Disabilities Act, F	with Disabilities Act, Fair Labor Standards Acts, Equal Employment						
		Opportunity Commission).							
	1.3.	8. Verify compliance wit	liance with computer, copyright, and intellectual property laws						
		and regulations.							
	1.3.	9. Identify potential con-	flicts	of inte	erest (e.g., personal	gain,	project bidding)		
		between personal, or	ganiz	ationa	l, and professional e	ethica	al standards.		
Pathways	Х	Pathway 1		Х	Pathway 2				
	Х	Pathway 3		Х	Pathway 4				
<b>Green Practices</b>		Green-specific	Х	Cont	ext-dependent	Does not apply			

Outcome	1.4.	1.4. REQUIRED Knowledge Management and Information Technology: Demonstrate							
		current and emerging strategies and technologies used to collect, analyze,							
		record, and share information in business operations.							
Competencies	1.4.	1. Use office equipment	to c	ommu	nicate (e.g., phone,	, radio equipment, fax			
		machine, scanner, public address systems).							
	1.4.	Select and use software applications to locate, record, analyze, and present							
		information (e.g., word processing, electronic mail, spreadsheet, databases,							
		presentation, Internet search engines).							
	1.4.	3. Verify compliance wit	h se	curity r	ules, regulations, a	and codes (e.g., property,			
		privacy, access, accur	acy is	ssues,	client and patient r	record confidentiality)			
		pertaining to technology	ogy s	pecific	to industry pathwa	ay.			
	1.4.	<ol><li>Use system hardware</li></ol>	to s	upport	software application	ions.			
	1.4.	5. Use information tech	nolog	gy tool	s to maintain, secu	ire, and monitor business			
		records.							
	1.4.	<ol><li>Use electronic databa</li></ol>	ise to	acces	s and create busine	ess and technical			
		information.							
	1.4.	P		_	· ·				
		optimize assigned tas	ks (e	.g., list	s, calendars, addre	ess books).			
	1.4.		to co	ommur	nicate and follow ne	etwork etiquette			
		guidelines.			<b>.</b>				
Pathways	Х	Pathway 1		Х	Pathway 2				
	Х	Pathway 3		X	Pathway 4				
<b>Green Practices</b>		Green-specific	Χ	Cont	ext-dependent	Does not apply			

Outcome	1.5. REQUIRED Global Environment: Evaluate how beliefs, values, attitudes, and
	behaviors influence organizational strategies and goals.
Competencies	1.5.1. Describe how cultural understanding, cultural intelligence skills, and
	continual awareness are interdependent.
	1.5.2. Describe how cultural intelligence skills influence the overall success and
	survival of an organization.
	1.5.3. Use cultural intelligence to interact with individuals from diverse cultural
	settings.
	1.5.4. Recognize barriers in cross-cultural relationships and implement behavioral
	adjustments.
	1.5.5. Recognize the ways in which bias and discrimination may influence

		productivity and profitability.							
	1.5.	•	nalyze work tasks for understanding and interpretation from a different ultural perspective.						
	1.5.	1.5.7. Use intercultural communication skills to exchange ideas and create meaning.							
	1.5.	1.5.8. Identify how multicultural teaming and globalization can foster development of new and improved products and services and recognition of new opportunities.							
Pathways	Х	Pathway 1		Х	Pathway 2				
	Х	Pathway 3		Х	Pathway 4				
<b>Green Practices</b>		Green-specific	Χ	Context-dependent Does not apply					

Outcome	1.6.	1.6. REQUIRED Business Literacy: Develop foundational skills and knowledge in							
		entrepreneurship, finan			•		-		
Competencies	1.6.1	. Identify business oppo			′ '				
	1.6.2	. Assess the reality of b	ecom	ning ar	entrepreneur, incl	uding	g advantages and		
		disadvantages (e.g., ri	sadvantages (e.g., risk vs. reward, reasons for success and failure).						
	1.6.3	. Explain the importance	Explain the importance of planning your business.						
	1.6.4	. Identify types of busir	Identify types of businesses, ownership, and entities (i.e., individual						
		proprietorships, partn	hips, partnerships, corporations, cooperatives, public, private,						
		profit, not-for-profit).							
	1.6.5	•			•	-			
		responsibilities of the	orgai	nizatio	nal departments, a	nd in	terdepartmental		
		interactions.							
	1.6.6	, .				n, the	e niche that the		
		organization fills, and			•				
	1.6.7	,		-	•				
	1.6.8	•	and b	enefits	s that make an orga	ınızat	ion's product or		
	1.00	service competitive.							
	1.6.9	•		ice of	an employee, a dep	artm	ent, and an		
	1 6 1	organization is assess		- ali-a-	ion on an ontorpris	0000	vecnization		
		Describe the impact o     Describe how all busing	_		•		•		
	1.0.1	<ol> <li>Describe how all busing parameters of a budge</li> </ol>		ictiviti	es of all organization	JII WO	rk within the		
	161	2. Describe classification		mnlo	vee henefits rights	אםאי	ictions and		
	1.0.1	compensations.	13 01 6	ziripio į	rec benefits, rights,	, acut	actions, and		
Pathways	Х	Pathway 1		Х	Pathway 2				
- adiiways	X	Pathway 3		X	Pathway 4				
Green Practices	, ·	Green-specific	Х		ntext-dependent Does not app				
J. 5011 1 14001663		Creen specific	^	50.70	acpendent		Does not apply		

Outcome	1.9. REQUIRED Financial Management: Use financial tools, strategies, and systems
	to develop, monitor, and control the use of financial resources to ensure
	personal and business financial well-being.
Competencies	1.9.1. Create, analyze, and interpret financial documents (e.g., budgets, income
	statements).
	1.9.2. Identify tax obligations
	1.9.3. Review and summarize savings, investment strategies, and purchasing

		options (e.g., cash, lea	options (e.g., cash, lease, finance, stocks, bonds).							
	1.9.4		entify credit types and their uses in order to establish credit.							
	1.9.5		entify ways to avoid or correct debt problems.							
	1.9.6		xplain how credit ratings and the criteria lenders use to evaluate repayment							
		•	capacity affect access to loans.							
	1.9.7	<ol> <li>Review and summarize</li> </ol>	Review and summarize categories (types) of insurance and identify how							
		insurances can reduce	insurances can reduce financial risk.							
	1.9.8	B. Identify income sourc	es ar	nd expe	enditures.					
	1.9.9	Compare and contras	t diff	erent l	anking services ava	ilable	e through financial			
		institutions.					-			
	1.9.1	.0. Identify the role of de	prec	iation	n tax planning and	liabili	ty.			
Pathways	Х	Pathway 1		Х	Pathway 2					
	Х	Pathway 3		Х	Pathway 4					
<b>Green Practices</b>		Green-specific	Х	Cont	Does not apply					

Page 1 Course 2. Emergency Medical Technican

#### Fire Course 2. Emergency Medical Technician

Description: This course will prepare students to perform entry-level emergency medical care as an EMT. Students will assess patient's condition, administering appropriate emergency medical care, and perform EMT duties safely and effectively. At the end of this course, successful students will be eligible to sit for Ohio certification testing as an Emergency Medical Technician.

Content will follow the same progression as ORC:

- (1) Preparatory;
- (2) Anatomy and physiology;
- (3) Medical terminology;
- (4) Physiology;
- (5) Life span development;
- (6) Public health;
- (7) Pharmacology;
- (8) Airway management, respiration, and artificial ventilation, to include:
- (9) Patient assessment;
- (10) Medicine, to include:
- (11) Shock and resuscitation;
- (12) Trauma, to include:
- (13) Special patient populations;
- (14) EMS operations;
- (15) Clinical prehospital

Outcome	4.1.	Basic First Aid: De	Basic First Aid: Demonstrate skills in basic first aid, cardiopulmonary							
		resuscitation (CPF	resuscitation (CPR), and use of Automated External Defibrillation (AED).							
Competencies	4.1.	1. Identify the duties	dentify the duties of a public safety official to provide emergency medical							
		care.	care.							
	4.1.	2. Obtain certification	Obtain certification in basic first aid.							
	4.1.	3. Obtain certification	Obtain certification in CPR/AED.							
Pathways	Х	Criminal Justice			Χ	Fire				
<b>Green Practices</b>		Green-specific		Context-dependent X Does not apply						

Outcome	4.2. Preparatory: Apply fundamental knowledge of the Emergency Medical
	Services (EMS) system, safety/well-being of the Emergency Medical
	Technician (EMT), and medical/legal and ethical issues to the provision of
	emergency care.
Competencies	4.2.1. Apply simple depth and foundational breadth of knowledge on EMS systems
	including history of EMS, roles/responsibilities, professionalism of EMS
	personnel, quality improvement, and patient safety.
	4.2.2. Apply simple depth and breadth of knowledge on data collection and
	research using evidence-based decision making.
	4.2.3. Apply fundamental depth, foundational breadth of knowledge on workforce
	safety and wellness including wellness principles, standard safety
	precautions, personal protective equipment, stress management, dealing
	with death and dying, prevention of work-related injuries, lifting and moving

	patients, and disease transmission.							
	4.2.4. Apply fundamental depth, foundational breadth of knowledge of documentation on the principles of medical documentation and report							
	writing.							
	4.2.5. Apply simple depth, simple breadth of knowledge on EMS communication							
	systems, call for resources, transfer care of the patient, interaction within the							
	team structure, communication with other health care professionals, and							
	team communication and dynamics.							
	4.2.6. Apply simple depth, simple breadth of knowledge on the principles of communicating with patients in a manner that achieves a positive							
	relationship including adjusting communication strategies for age, stage of							
	development, patients with special needs, and differing cultures.							
	4.2.7. Apply fundamental depth, foundational breadth of knowledge on							
	interviewing techniques, verbal defusing strategies, and family presence							
	issues.							
	4.2.8. Apply fundamental depth, foundational breadth of knowledge on the							
	consent/refusal of care, expressed versus implied consent, advance							
	directives, tort and criminal actions, evidence preservation, statutory							
	responsibilities, mandatory reporting, and ethical principles/moral							
	obligations.							
Pathways	Criminal Justice X Fire							
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply							
0.1	A 2 A value and Blooding Define and described as the Late and definite							
Outcome	4.3. Anatomy and Physiology: Define and describe knowledge and skills in							
Competencies	anatomy and physiology for Emergency Medical Technician (EMT).  4.3.1. Apply fundamental knowledge of the anatomy and function of all human							
Competencies	systems to the practice of EMS.							
Pathways	Criminal Justice X Fire							
Green Practices	Green-specific Context-dependent X Does not apply							
	or the second se							
Outcome	4.4. Medical Terminology: Define and describe knowledge and skills in medical							
	terminology for Emergency Medical Technician (EMT).							
Competencies	4.4.1. Use foundational anatomical and medical terms and abbreviations in written							
	and oral communication with colleagues and other health care professionals.							
Pathways	Criminal Justice X Fire							
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply							
	[							
Outcome	4.5. Pathophysiology: Define and describe knowledge and skills in							
	pathophysiology for Emergency Medical Technician (EMT).							
Competencies	4.5.1. Apply fundamental knowledge of the pathophysiology of respiration and							
Dethucus	perfusion to patient assessment and management.  Criminal Justice X Fire							
Pathways  Groop Practices								
Green Practices	Green-specific Context-dependent X Does not apply							
Outcome	4.6. Life Span Development: Define and describe knowledge and skills in life span							
Juteome	development for Emergency Medical Technician (EMT).							
	4.6.1. Apply fundamental knowledge of life span development to patient							
Competencies	1 4.D.T. ADDIV IUHUAHIEHIAI KHOWIEURE OFIJIE SOAN DEVELOOMEN TO DANEM							

Fire Pathway
Course 2. Emergency Medical Technican

		accoccment and	man	agamont					
Dethuses		assessment and	Шап	agement.	V	Fine.			
Pathways		Criminal Justice	I	Control de	X	Fire	Lv	D	
<b>Green Practices</b>		Green-specific		Context-de	penae	ent	Х	Does not apply	
			٠.					1.11	
Outcome	4.7.					wledge a	and s	kills in public health for	
		Emergency Med				6.111			
Competencies	4.7.	•	_	e of the princ	ciples	of illnes	ss and	d injury prevention in	
5 .1		emergency care							
Pathways		Criminal Justice	l	0	Х	Fire	I	<b>.</b>	
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Х	Does not apply	
Outcome	4.8.	4.8. Pharmacology: Apply fundamental knowledge of the medications that the Emergency Medical Technician (EMT) may assist/administer to a patient							
		during an emerg							
Competencies	4.8.	, .	•	•			_	n the principles of	
				_	n saf	ety and	the k	inds of medications used	
		during an emerg							
	4.8.	''''		-				nowledge on medication	
		administration v		•	•		ne EN	VII on how to	
	40	assist/administe			-			de	
	4.8.							dge on emergency	
								including names,	
		actions, indication				•			
		administration,	side e	enects, intera	iction	s, and u	osagi	es for the medications	
Pathways		Criminal Justice			Х	Fire			
Green Practices		Green-specific	l	Context-de			Х	Does not apply	
Green Fractices		Green-specific		Context-de	penae	- III		Does not apply	
Outcome	4.9.	Airway: Annly k	nowl	edge (fundar	nenta	l denth	four	ndational breadth) of	
Outcome	7.5.							ent and management in	
		-	-					_	
		order to assure a patent airway, adequate mechanical ventilation, and							
		respiration for patients of all ages.							
Competencies	4.9.					l breadt	h of k	·	
Competencies	4.9.	Apply fundamer	ntal d	epth, founda	tiona			nowledge on airway	
Competencies	4.9.	Apply fundamer     management wi	ntal d ithin t	epth, founda the scope of	tiona practi	ce of th	e Em	knowledge on airway ergency Medical	
Competencies	4.9.	Apply fundamer	ntal d ithin i () incl	epth, founda the scope of uding airway	tiona practi anat	ce of th omy, air	e Em	knowledge on airway ergency Medical	
Competencies	4.9. 4.9.	<ol> <li>Apply fundamer management wi Technician (EMT techniques of as</li> </ol>	ntal d ithin i () incl	epth, founda the scope of uding airway g a patent ai	tiona practi anat rway.	ce of th omy, air	e Em	cnowledge on airway ergency Medical assessment, and	
Competencies		<ol> <li>Apply fundamer management wi Technician (EMT techniques of as</li> </ol>	ntal d ithin i () incl ssurin ntal d	epth, founda the scope of uding airway g a patent ai epth, founda	tiona practi anat rway. tiona	ce of th omy, air I breadt	e Eme way h of k	knowledge on airway ergency Medical assessment, and knowledge on respiration	
Competencies		<ol> <li>Apply fundamer management wi Technician (EMT techniques of as</li> <li>Apply fundamer</li> </ol>	ntal d ithin f incl ssurin ntal d atom	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp	tiona practi anat rway. tiona irator	ce of th omy, air I breadt y syster	e Emerway h of k	ergency Medical assessment, and anowledge on respiration ysiology and	
Competencies		<ol> <li>Apply fundamer management win Technician (EMT) techniques of as</li> <li>Apply fundamer including the an pathophysiology</li> </ol>	ntal dithin fithin find including the second second needs to the s	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp espiration, pu	tiona practi anat rway. tiona irator	ce of th omy, air I breadt y syster ary ven	e Emerway hof kenner h	ergency Medical assessment, and anowledge on respiration ysiology and	
Competencies		<ol> <li>Apply fundamer management win Technician (EMT) techniques of as</li> <li>Apply fundamer including the an pathophysiology respiration (externion)</li> </ol>	ntal dithin the fithin	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp espiration, pu internal, cell	tiona practi anat rway. tiona irator ulmon ular),	ce of th omy, ain I breadt y syster ary ven assessr	e Emerway hof k h of k n, pho tilation	ergency Medical assessment, and enowledge on respiration ysiology and on, oxygenation,	
Competencies		<ol> <li>Apply fundamer management win Technician (EMT) techniques of as</li> <li>Apply fundamer including the an pathophysiology respiration (extended)</li> </ol>	ntal dithin fithin fith	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp espiration, pu internal, cell uate respirat	tiona practi anat rway. tiona irator ular), ion, a	ce of th omy, air I breadt y syster ary ven assessr and supp	e Emerway h of k n, pho tilation nent oleme	ergency Medical assessment, and enoughedge on respiration ysiology and on, oxygenation, and management of	
Competencies	4.9.	<ol> <li>Apply fundamer management winch Technician (EMT) techniques of as</li> <li>Apply fundamer including the an pathophysiology respiration (extended and in Apply fundamer assessment and</li> </ol>	ntal dithin find including the second	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp espiration, pu internal, cell uate respirat epth, founda agement of a	tiona practi anat rway. tiona irator ular), ion, a tiona idequ	ce of thomy, air I breadt y syster ary ven assessr and supp I breadt ate and	e Emerway h of k n, pho tilation nent oleme h of k inado	ergency Medical assessment, and enowledge on respiration ysiology and on, oxygenation, and management of ental oxygen therapy. Enowledge on the equate ventilation	
Competencies	4.9.	<ol> <li>Apply fundamer management win Technician (EMT) techniques of as</li> <li>Apply fundamer including the an pathophysiology respiration (extended and in Apply fundamer assessment and including artificin</li> </ol>	ntal dithin fithin fith	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp espiration, pu internal, cell uate respirat epth, founda agement of a ntilation, min	tional practification and to the control of the con	ce of thomy, air I breadt y syster ary ven assessr and supp I breadt ate and entilatio	e Emerway  h of ken, phore tilation nent oleme h of ken inade on, alv	cnowledge on airway ergency Medical assessment, and cnowledge on respiration ysiology and on, oxygenation, and management of ental oxygen therapy. cnowledge on the	
	4.9.	<ol> <li>Apply fundamer management wi Technician (EMT techniques of as</li> <li>Apply fundamer including the an pathophysiology respiration (exteadequate and in</li> <li>Apply fundamer assessment and including artificithe effect of artificities</li> </ol>	ntal dithin fithin fith	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp espiration, pu internal, cell uate respirat epth, founda agement of a ntilation, min	tional practive anatorial monular), ion, a tional dequante von care	ce of thomy, air I breadt y syster ary ven assessr and supp I breadt ate and entilatic	e Emerway  h of ken, phore tilation nent oleme h of ken inade on, alv	ergency Medical assessment, and enowledge on respiration ysiology and on, oxygenation, and management of ental oxygen therapy. Enowledge on the equate ventilation	
Pathways Green Practices	4.9.	<ol> <li>Apply fundamer management win Technician (EMT) techniques of as</li> <li>Apply fundamer including the an pathophysiology respiration (extended and in Apply fundamer assessment and including artificin</li> </ol>	ntal dithin fithin fith	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp espiration, pu internal, cell uate respirat epth, founda agement of a ntilation, min	tional praction and tional dequate von care	ce of thomy, air only, air only, air only system assessmand suppersonate and entilatic diac out Fire	e Emerway  h of ken, phore tilation nent oleme h of ken inade on, alv	ergency Medical assessment, and enowledge on respiration ysiology and on, oxygenation, and management of ental oxygen therapy. Enowledge on the equate ventilation	

Outcome  4.10. Assessment: Apply scene information and patient assessment findings (s size-up, primary and secondary assessment, patient history, and reassessment) to guide emergency management.  Competencies  4.10.1. Apply complex depth, comprehensive breath of knowledge on scene safe 4.10.2. Apply fundamental depth, foundational breadth of knowledge on scene management including the impact of the environment on patient care,											
reassessment) to guide emergency management.  Competencies  4.10.1. Apply complex depth, comprehensive breath of knowledge on scene safe 4.10.2. Apply fundamental depth, foundational breadth of knowledge on scene	ty.										
<b>Competencies</b> 4.10.1. Apply complex depth, comprehensive breath of knowledge on scene safe 4.10.2. Apply fundamental depth, foundational breadth of knowledge on scene	ty.										
4.10.2. Apply fundamental depth, foundational breadth of knowledge on scene	ty.										
management including the impact of the environment on patient care.											
7											
addressing hazards, violence, the need for additional or specialized											
resources, and standard precautions.											
4.10.3. Apply fundamental depth, foundational breadth of knowledge on scene s	ize-										
up including scene management and multiple patient situations.											
4.10.4. Apply fundamental depth, simple breadth of knowledge on the primary											
assessment for all patient situations including initial general impression,	evel										
of consciousness, ABCs (airway, breathing, circulation), identifying life											
threats, assessment of vital functions, and integration of											
treatment/procedures needed to preserve life.											
4.10.5. Apply fundamental depth, foundational breadth of knowledge on history											
taking including investigation of the chief complaint, mechanism of											
injury/nature of illness, past medical history, associated signs and sympton	ms,										
and pertinent negatives.											
4.10.6. Apply simple depth, simple breadth of knowledge on performing a secon	dary										
assessment including a rapid full body scan, focused assessment of pain,	and										
assessment of vital signs.											
4.10.7. Apply fundamental depth, foundational breadth of knowledge on second	ary										
assessment techniques of physical examination including respiratory syst	em										
(presence of breath sounds), cardiovascular system, neurological system,											
musculoskeletal system, and all anatomical regions.											
4.10.8. Use monitoring devices, within the scope of practice of the Emergency											
Medical Technician (EMT), including (but not limited to) a 12-lead											
electrocardiogram (ECG) setup and application for electronic transmissio	electrocardiogram (ECG) setup and application for electronic transmission										
and end tidal carbon dioxide monitoring and detection.											
4.10.9. Apply fundamental depth, foundational breadth of knowledge on how ar	d										
when to perform a reassessment for all patient situations.											
Pathways Criminal Justice X Fire											
Green Practices Green-specific Context-dependent X Does not apply											

Outcome	4.11. Medicine: Apply fundamental knowledge to provide basic emergency care						
	and transportation based on assessment findings for an acutely ill patient.						
Competencies	4.11.1. Apply simple depth, foundational breadth of knowledge on						
	pathophysiology, assessment, and management of a medical complaint						
	(medical overview) to include transport mode and destination decisions.						
	4.11.2. Apply fundamental depth, foundational breadth of knowledge on the						
	anatomy, physiology, pathophysiology, assessment, and management of						
	neurology including stroke/transient ischemic attack, seizure, status						
	epilepticus, and headache.						
	4.11.3. Apply fundamental depth, foundational breadth of knowledge on the						
	anatomy, physiology, pathophysiology, assessment, and management of						

- abdominal and gastrointestinal disorders including acute and chronic gastrointestinal hemorrhage.
- 4.11.4. Apply simple depth, simple breadth of knowledge of peritonitis and ulcerative diseases.
- 4.11.5. Apply simple depth, simple breadth of knowledge in the recognition and management of shock and difficulty breathing related to anaphylactic reactions.
- 4.11.6. Apply fundamental depth, foundational breadth of knowledge on the anatomy, physiology, pathophysiology, assessment, and management of hypersensitivity disorders and/or emergencies involving anaphylactic reactions.
- 4.11.7. Apply simple depth, simple breadth of knowledge on the assessment and management of a patient who may have an infectious disease and how to decontaminate the ambulance and equipment after treating a patient.
- 4.11.8. Apply fundamental depth, foundational breadth of knowledge on the anatomy, physiology, pathophysiology, assessment, and management of endocrine disorders including acute diabetic emergencies.
- 4.11.9. Apply simple depth, simple breadth of knowledge on the basic principles of the mental health system.
- 4.11.10. Apply fundamental depth, foundational breadth of knowledge on the assessment and management of psychiatric conditions including acute psychosis, suicidal/risk, and agitated delirium.
- 4.11.11. Apply simple depth, simple breadth of knowledge in the anatomy, signs, symptoms, and management of chest pain and cardiac arrest.
- 4.11.12. Apply fundamental depth, foundational breadth of knowledge on the anatomy, physiology, pathophysiology, assessment, and management of cardiovascular conditions including acute coronary syndrome (angina pectoris, myocardial infarction), aortic aneurysm/dissection, and thromboembolism.
- 4.11.13. Apply simple depth, simple breadth of knowledge on heart failure and hypertensive emergencies.
- 4.11.14. Apply simple depth, simple breadth of knowledge in the recognition and management of carbon monoxide poisoning, nerve agent poisoning, and how and when to contact a poison control center.
- 4.11.15. Apply fundamental depth, foundational breadth of knowledge on anatomy, physiology, pathophysiology, assessment, and management of toxicology conditions including inhaled poisons, ingested poisons, injected poisons, absorbed poisons, and alcohol intoxication and withdrawal.
- 4.11.16. Apply simple depth, simple breadth of knowledge on the anatomy, signs, symptoms, and management of respiratory emergencies including those that affect the upper airway and lower airway.
- 4.11.17. Apply fundamental depth, foundational breadth of knowledge on the anatomy, physiology, pathophysiology, assessment, and management of respiratory conditions including epiglottitis, spontaneous pneumothorax, pulmonary edema, asthma, chronic obstructive pulmonary disease, environmental/industrial exposure, and toxic gas.
- 4.11.18. Apply simple depth, simple breadth of knowledge on pertussis, cystic fibrosis, pulmonary embolism, pneumonia, and viral respiratory infections.

	4.11.19. Apply simple depth, simple breadth of knowledge on the anatomy,									
	physiology, pathophysiology, assessment, and management of hematology									
	conditions including sickle cell crisis and clotting disorders									
	4.11.20. Apply simple depth, simple breadth of knowledge on blood pressure									
	assessment in hemodialysis patients.									
	4.11.21. Apply simple depth, simple breadth of knowledge on the anatomy,									
	physiology, pathophysiology, assessment, and management of									
	genitourinary/renal conditions including complications related to renal									
	dialysis and urinary catheter management (not insertion) and kidney stones.									
	4.11.22. Apply fundamental depth, foundational breadth of knowledge on the									
	anatomy, physiology, assessment findings, and management of gynecology									
	conditions including vaginal bleeding and sexual assault (to include									
	appropriate emotional support).									
	4.11.23. Apply simple depth, simple breadth of knowledge on gynecology infections.									
	4.11.24. Apply fundamental depth, foundational breadth of knowledge on the									
	anatomy, physiology, pathophysiology, assessment and management of									
	non-traumatic fractures.									
	4.11.25. Apply simple depth, simple breadth of knowledge on the recognition and									
	management of nose bleeds.									
	4.11.26. Apply fundamental depth, foundational breadth of knowledge on the									
	anatomy, physiology, pathophysiology, assessment, and management of									
_	diseases of the eyes, ears, nose, and throat.									
Pathways	Criminal Justice X Fire									
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply									

Outcome	4.12. Shock and Resuscitation: Define and describe knowledge and skills in shock									
	and resuscitation for the Emergency Medical Technician (EMT).									
Competencies	4.12.1. Identify the duties of a public safety official to provide emergency medical									
		Use assessment information to recognize shock, respiratory failure or arrest,								
	and cardiac arrest based on assessment findings and manage the emergency									
	while awaiting additional emergency response.									
	4.12.2. Apply fundamental knowledge of the causes, pathophysiology, and									
	management of shock, respiratory failure or arrest, cardiac failure or arrest,									
	and postresuscitation management.									
Pathways	Cri	minal Justice			Χ	Fire				
<b>Green Practices</b>	Gre	een-specific		Context-dep	oende	ent	Χ	Does not apply		

Outcome	4.13. Trauma: Apply fundamental knowledge to provide basic emergency care and
	transportation based on assessment findings for an acutely injured patient.
Competencies	4.13.1. Apply fundamental depth, foundational breadth of knowledge on trauma
	pathophysiology, assessment, and management of the trauma patient
	including trauma scoring, rapid transport, destination issues, and transport
	mode.
	4.13.2. Apply fundamental depth, foundational breadth of knowledge on the
	pathophysiology, assessment, and management of bleeding.
	4.13.3. Apply simple depth, simple breadth of knowledge on the recognition and
	management of chest trauma including blunt versus penetrating

- mechanisms, open chest wound, impaled object, and pneumothorax (open and simple).
- 4.13.4. Apply fundamental depth, simple breadth of knowledge on chest trauma pathophysiology, assessment, and management including blunt versus penetrating mechanisms, hemothorax, pneumothorax (open, simple, tension), cardiac tamponade, rib fractures, flail chest, and commotio cordis.
- 4.13.5. Apply simple depth, simple breadth of knowledge in the recognition and management of abdominal and genitourinary trauma including blunt versus penetrating mechanisms, evisceration, and impaled object.
- 4.13.6. Apply fundamental depth, simple breadth of knowledge on the pathophysiology, assessment and management of abdominal and genitourinary trauma including solid and hollow organ injuries, blunt versus penetrating mechanisms, evisceration, injuries to the external genitalia, vaginal bleeding due to trauma, and sexual assault.
- 4.13.7. Apply simple depth, simple breadth of knowledge in the recognition and management of orthopedic trauma including open fractures, closed fractures, dislocations, and amputations.
- 4.13.8. Apply fundamental depth, foundational breadth of knowledge in the pathophysiology, assessment, and management of orthopedic trauma including upper and lower extremity orthopedic trauma, open fractures, closed fractures, dislocations, sprains/strains, pelvic fractures, and amputations/replantation.
- 4.13.9. Apply simple depth, simple breadth of knowledge on the recognition and management of soft tissue trauma including wounds, burns (electrical, chemical, thermal), and chemicals in the eye and on the skin.
- 4.13.10. Apply fundamental depth, foundational breadth of knowledge on the pathophysiology, assessment, and management of soft tissue trauma including wounds (avulsions, bite wounds, lacerations, puncture wounds, incisions) and burns (electrical, chemical, thermal, radiation).
- 4.13.11. Apply simple depth, simple breadth of knowledge on soft tissue trauma due to crush syndrome.
- 4.13.12. Apply simple depth, simple breadth of knowledge on the recognition and management of head, facial, neck, and spine trauma including life threats, head and spine trauma, and mechanism of injury.
- 4.13.13. Apply fundamental depth, foundational breadth of knowledge on the pathophysiology, assessment, and management of head, facial, neck, and spine trauma including penetrating neck trauma, laryngeotracheal injuries, and spine trauma.
- 4.13.14. Apply simple depth, simple breadth of knowledge on head, facial, neck, and spine trauma including facial fractures, skull fractures, foreign bodies in the eyes, and dental trauma.
- 4.13.15. Apply fundamental depth, foundational breadth of knowledge on the pathophysiology, assessment, and management of nervous system trauma including traumatic brain injury and spinal cord injury.
- 4.13.16. Apply simple depth, simple breadth of knowledge in the recognition and management of trauma in the pregnant patient, pediatric patient, and geriatric patient.
- 4.13.17. Apply fundamental depth, foundational breadth of knowledge in the

	Δ 13	pathophysiology, assessment, and management of trauma in the pregnant patient, pediatric patient, geriatric patient, and the cognitively impaired patient.  4.13.18. Apply simple depth, simple breadth of knowledge in the recognition and									
	4.13	management of environmental emergencies including water and ice injury and temperature-related illness.									
	4.13	4.13.19. Apply fundamental depth, foundational breadth of knowledge in the pathophysiology, assessment, and management of environmental									
	emergencies including near drowning, temperature-related illness, bites and envenomations, dysbarism (high-altitude, diving injuries), electrical injury, and radiation exposure.										
	4.13	4.13.20. Apply simple depth, simple breadth of knowledge in the recognition and management of multisystem trauma.									
	4.13.21. Apply fundamental depth, foundational breadth of knowledge in the pathophysiology, assessment, and management of multisystem trauma and										
	blast injuries.										
Pathways		Criminal Justice			Χ	Fire					
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Х	Does not apply			

Outcome	4.14. Special Patient Populations: Apply a fundamental knowledge of growth,						
	development, and aging and assessment findings to provide basic emergency						
	care and transportation for a patient with special needs.						
Competencies	4.14.1. Apply simple depth, simple breadth of knowledge in the recognition and						
	management of a normal delivery, vaginal bleeding in the pregnant patient,						
	assessment of the pregnant patient, management of normal delivery,						
	recognition of abnormal delivery, placenta previa, and spontaneous						
	abortion/miscarriage.						
	4.14.2. Apply fundamental depth, foundational breadth of knowledge on obstetrics						
	including the anatomy and physiology of normal pregnancy,						
	pathophysiology of complications of pregnancy, assessment of the pregnant						
	patient, management of normal delivery, abnormal delivery (nuchal cord,						
	prolapsed cord, breech delivery), third trimester bleeding (placenta previa,						
	abruptio placenta), spontaneous abortion/miscarriage, ectopic pregnancy,						
	and preeclampsia/eclampsia.						
	4.14.3. Apply simple depth, simple breadth of knowledge in newborn care and						
	neonatal resuscitation.						
	4.14.4. Apply fundamental depth, foundational breadth of knowledge on neonatal						
	care assessment and management including newborn and neonatal resuscitation.						
	4.14.5. Apply simple depth, simple breadth of knowledge on age-related						
	assessment findings and age-related assessment and treatment						
	modifications for pediatric-specific major diseases and/or emergencies						
	including upper airway obstruction, lower airway reactive disease,						
	respiratory distress/failure/arrest, shock, seizures, and Sudden Infant Death						
	Syndrome.						
	4.14.6. Apply fundamental depth, foundational breadth of knowledge on age-						
	related assessment findings and age-related and developmental-stage-						

	related assessment and treatment modifications for pediatric-specific major								
	diseases and/or emergencies including upper airway obstruction, lower								
	airway reactive disease, respiratory distress/failure/arrest, shock, seizures,								
	Sudden Infant Death Syndrome, and gastrointestinal disease.								
	4.14.7. Apply simple depth, simple breadth of knowledge on the impact of age-								
	related changes on assessment and care in geriatrics.								
	4.14.8. Apply fundamental depth, foundational breadth of knowledge on changes								
	associated with aging, psychosocial aspects of aging, and age-related								
	assessment and treatment modifications for the major or common geriatric								
	diseases and/or emergencies including cardiovascular diseases, respiratory								
	diseases, neurological diseases, endocrine diseases, Alzheimer's, and								
	dementia.								
	.9. Apply simple depth, simple breadth of knowledge on patients with special								
	challenges on recognizing and reporting abuse and neglect.								
	4.14.10. Apply simple depth, simple breadth of knowledge on the healthcare								
	implications of patients with special challenges including abuse, neglect,								
	homelessness, poverty, bariatrics, technology dependent, hospice/								
	terminally ill, tracheostomy care/dysfunction, homecare, sensory								
	deficit/loss, and developmental disability.								
Pathways	Criminal Justice X Fire								
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply								

Outcome	4.15. Emergency Medical Services (EMS) Operations: Apply knowledge of
	operational roles and responsibilities to ensure patient, public, and
	personnel safety.
Competencies	4.15.1. Apply simple depth, simple breadth of knowledge on the principles of safely
	operating a ground ambulance including the risks and responsibilities of
	emergency response.
	4.15.2. Apply simple depth, simple breadth of knowledge on the principles of safely
	operating a ground ambulance including the risks and responsibilities of
	transport.
	4.15.3. Apply fundamental depth, foundational breadth of knowledge on incident
	management including establishing and working within the incident
	management system.
	4.15.4. Apply simple depth, simple breadth of knowledge on multiple causality
	incidents including triage principles and resource management.
	4.15.5. Apply simple depth, foundational breadth of knowledge on multiple
	casualty incidents including triage, performing, retriage, destination
	decisions, and posttraumatic and cumulative stress.
	4.15.6. Apply simple depth, simple breadth of knowledge on safe air medical
	operations and criteria for utilizing air medical response.
	4.15.7. Apply simple depth, simple breadth of knowledge on safe vehicle extrication
	and use of simple hand tools.
	4.15.8. Apply simple depth, simple breadth of knowledge on the risks and
	responsibilities of operating in a cold zone at a hazardous material or other
	special incident.
	4.15.9. Apply simple depth, simple breadth of knowledge on the risks and

	responsibilities of operating on the scene of a natural or man- made							
	disaster.							
Pathways	Criminal Justice X Fire							
<b>Green Practices</b>	Green-specific	Context-depende			ent	Х	Does not apply	

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Outcome	4.16. Clinical Behavior/Judgment: Practice skills in the clinical and field experience
0	requirements of the Emergency Medical Technician (EMT) curriculum.
Competencies	4.16.1. Perform a basic history and physical examination to identify acute
	complaints and monitor changes and identify the actual and potential
	complaints of emergency patients.
	4.16.2. Communicate in a culturally sensitive manner.
	4.16.3. Safely and effectively perform psychomotor skills within the National
	Emergency Medical Services (EMS) Scope of Practice Model and the Ohio
	Scope of Practice at the EMT level for airway and breathing (i.e., orotracheal
	intubation of pulseless and apneic patients with extraglottic or multilumen
	device, endotracheal suctioning through a stoma, positive pressure
	ventilation, manually triggered ventilators, automatic transport ventilators,
	supplemental oxygen therapy, Constant Positive Airway Pressure [CPAP]
	administration and management, end-tidal carbon dioxide [ETCO2]
	monitoring and detection, humidifiers, manually triggered ventilators,
	automatic transport ventilators, partial rebreather mask, venturi mask),
	assessment (i.e., blood glucose monitor and automatic Blood Pressure
	[B/P]), pharmacologic interventions (i.e., assist patients in taking their own
	prescribed medications, administration of over the counter [OTC]
	medications with medical oversight, oral glucose administration, aspirin for
	chest pain, and 12-lead EKG setup, application for electronic transmission),
	medical/cardiac care (i.e., mechanical cardiopulmonary resuscitation [CPR]
	and assisted complicated delivery), and trauma care (i.e., spinal
	immobilization, cervical collars, seated, longboard, rapid extrication,
	splinting, extremity, traction, Pneumatic Anti-Shock Garment [PASG],
	helmet removal, mechanical patient restraint, tourniquet).
	4.16.4. Demonstrate professional behavior including (but not limited to) integrity,
	empathy, self-motivation, appearance/personal hygiene, self-confidence,
	communications, time management, teamwork/diplomacy, respect, patient
	advocacy, and careful delivery of service.
	4.16.5. Initiate basic interventions based on assessment findings intended to
	mitigate the emergency and provide limited symptom relief while providing
	access to definitive care.
	4.16.6. Report and document assessment data and interventions.
	4.16.7. Perform a patient assessment and provide prehospital emergency care and
	transportation for patient complaints (i.e., abdominal pain, abuse/neglect,
	altered mental status/decreased level of consciousness, anxiety, apnea,
	ataxia, back pain, behavioral emergency, bleeding, cardiac arrest, cardiac
	rhythm disturbances, chest pain, constipation, cyanosis, dehydration,
	diarrhea, dizziness/vertigo, dysphasia, dyspnea, edema, eye pain, fatigue,
	fever, gastrointestinal [GI] bleeding, headache, hematuria, hemoptysis,
	hypertension, hypotension, joint pain/swelling, multiple trauma,

	nausea/vomiting, pain, paralysis, pediatric crying/fussiness, poisoning, rash									
		rectal pain, shock, sore throat, stridor/drooling, syncope, urinary retention,								
		visual disturbances, weakness, wheezing).								
	4.16	4.16.8. Serve as an entry-level EMS team member on an emergency call with m								
			•					a team leader following		
		additional train				aria ser	ve as	a team leader rollowing		
	116	5.9. Ensure the safe	_			thare du	ring	an amargancy		
	_		•				_	• ,		
	4.16	5.10. Complete all cli			•					
	Administrative Code (OAC) 4765-15-05, EMT Curriculum, prior to receiving a									
	certificate of completion.									
	4.16.11. Complete at least ten hours of clinical and/or field experience.									
	4.16.12. Observe emergency department operations for a period of time sufficient to									
	gain an appreciation for the continuum of care.									
	4.16.13. Perform ten patient assessments in an emergency department, ambulance,							denartment ambulance		
	clinic, nursing home, doctor's office,., or on standardized patients if clinical									
	settings are not available.									
	4.16.14. Participate in and document patient contacts in a field experience approved									
	by the medical director and program director.									
Pathways		Criminal Justice		<u> </u>	Χ	Fire				
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Χ	Does not apply		

### Fire Course 3. Firefighter I

**Description:** Firefighter I introduces students to firefighter safety and development. Students will analyze Ohio Department of Public Safety Fire protection rules and regulations, proper incident reporting and records, proper use of personal protections equipment, and the principles of fire safety.

Outcome	5.1.	Organization and	Mission: Evolai	the o	rganizat	ion r	nission statement		
Outcome	5.1. Organization and Mission: Explain the organization, mission statement, policies, and procedures of a fire department and explain the role of a								
				-			he value of fire and life		
		~	_				juries along with the		
		•		-		-	addressing the well-		
			·				nission statement,		
		policies, and proc	•		_				
				•			ledge Requirements]		
		National Fire Prot	_				• •		
Competencies	5.1.2						mber assistance		
Competences	3.1		•	•			partment Occupational		
		Safety and Hea	•				partitione o coapational		
	5.1.2	•	-	vice.					
	5.1.3				epartme	ent.			
	5.1.4		_		-		nization.		
	5.1.5		_			_	cedures, rules, and		
		•	hey apply to fire		•	<b>.</b>	, ,		
	5.1.6	~		-		e to t	the department.		
	5.1.7		_		•		ipporting the fire		
		department's n	nission and to re	duce t	he line c	of dut	y deaths.		
Pathways		Criminal Justice		Х	Fire				
<b>Green Practices</b>		Green-specific	Context-o	epend	ent	Х	Does not apply		
Outcome	5.2.	Personal Emergen	cy Equipment: [	emon	strate ho	ow to	don and doff personal		
	5.2.	Personal Emergen	cy Equipment: [ g and prepare cl	emons othing	strate ho	ow to e and	don and doff personal I locate information using		
	5.2.	Personal Emergen protective clothing department docur	cy Equipment: I g and prepare cl ments along wit	emons othing n stand	strate ho for reus ards and	ow to e and d cod	don and doff personal l locate information usinន e materials. ([General		
	5.2.	Personal Emergen protective clothing department docur Skills Requirement	cy Equipment: I g and prepare cl ments along wit	emons othing n stand	strate ho for reus ards and	ow to e and d cod	don and doff personal I locate information using		
Outcome		Personal Emergen protective clothing department docur Skills Requirement 5.1.2) <b>5.2</b>	cy Equipment: [ g and prepare cl ments along wit ] National Fire I	emons othing othing rstand	strate ho for reus ards and ion Asso	ow to e and d cod ociatio	don and doff personal I locate information using e materials. ([General on [NFPA] 1001 Ch.		
	5.2.1	Personal Emergen protective clothing department docur Skills Requirement 5.1.2) <b>5.2</b> L. Perform the ab	cy Equipment: [g and prepare cl ments along wit t] National Fire I	Demons othing of stand Protect	strate ho for reus ards and ion Asso otective	ow to e and d cod ociation	don and doff personal I locate information using e materials. ([General on [NFPA] 1001 Ch. ning within one minute.		
Outcome		Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  Deform the ab Perform the ab	cy Equipment: [g and prepare cl ments along wit t] National Fire I	Demons othing of stand Protect	strate ho for reus ards and ion Asso otective	ow to e and d cod ociation	don and doff personal I locate information using e materials. ([General on [NFPA] 1001 Ch.		
Outcome	5.2.2 5.2.2	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  Perform the ab reuse.	cy Equipment: [ g and prepare cl ments along wit t] National Fire I ility to don pers ility to doff pers	Demons othing on stand Protect onal pronal pro	strate ho for reus ards and ion Asso otective	ow to e and d cod ociation e cloth	don and doff personal don and doff personal donate information using e materials. ([General on [NFPA] 1001 Ch. ning within one minute. hing and prepare for		
Outcome	5.2.1	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  Deform the ab Perform the ab reuse.  Locate and clar	cy Equipment: [g and prepare cl ments along wit t] National Fire l ility to don pers ility to doff pers	Demons othing on stand Protect onal pronal pro	strate ho for reus ards and ion Asso otective	ow to e and d cod ociation e cloth	don and doff personal I locate information using e materials. ([General on [NFPA] 1001 Ch. ning within one minute.		
Outcome  Competencies	5.2.2 5.2.2	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  Deform the ab Perform the ab reuse.  Locate and clar code materials.	cy Equipment: [g and prepare cl ments along wit t] National Fire l ility to don pers ility to doff pers	Demons othing in stand Protect onal pronal p	strate ho for reus ards and ion Asso otective otective rtment	ow to e and d cod ociation e cloth	don and doff personal don and doff personal donate information using e materials. ([General on [NFPA] 1001 Ch. ning within one minute. hing and prepare for		
Outcome  Competencies  Pathways	5.2.2 5.2.2	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  Deform the ab Perform the ab reuse.  Locate and clar code materials.  Criminal Justice	cy Equipment: [ g and prepare cl ments along wit t] National Fire I ility to don pers ility to doff pers	Demonsothing of stand Protect onal pronal pro	strate ho for reus ards and ion Asso otective otective rtment	ow to e and d cod ociation e cloth e cloth docui	don and doff personal donal donal donal doff personal donal		
Outcome  Competencies	5.2.2 5.2.2	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  Deform the ab Perform the ab reuse.  Locate and clar code materials.	cy Equipment: [g and prepare cl ments along wit t] National Fire l ility to don pers ility to doff pers	Demonsothing of stand Protect onal pronal pro	strate ho for reus ards and ion Asso otective otective rtment	ow to e and d cod ociation e cloth	don and doff personal don and doff personal donate information using e materials. ([General on [NFPA] 1001 Ch. ning within one minute. hing and prepare for		
Outcome  Competencies  Pathways Green Practices	5.2.2 5.2.2 5.2.3	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  L. Perform the ab Perform the ab reuse.  Locate and clar code materials.  Criminal Justice  Green-specific	cy Equipment: [g and prepare cl ments along wit t] National Fire I ility to don pers ility to doff pers ify information	Demonsothing in stand Protect onal protect o	strate ho for reus ards and ion Asso otective otective rtment Fire ent	ow to e and d cod ociation e cloth docum	don and doff personal locate information using e materials. ([General on [NFPA] 1001 Ch. hing within one minute. hing and prepare for ments, standards, and		
Outcome  Competencies  Pathways	5.2.2 5.2.2	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  L. Perform the ab Perform the ab reuse. Locate and clar code materials. Criminal Justice Green-specific  Communication: E	cy Equipment: [ g and prepare cl ments along wit t] National Fire I ility to don pers ility to doff pers ify information  Context-c	Demonsothing of stand Protect onal pronal pr	for reus ards and ion Asso otective rotective rtment Fire ent	e and cod ociation oc	don and doff personal docate information using e materials. ([General on [NFPA] 1001 Ch. hing within one minute. hing and prepare for ments, standards, and Does not apply		
Outcome  Competencies  Pathways Green Practices	5.2.2 5.2.2 5.2.3	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  L. Perform the ab Perform the ab reuse. Locate and clar code materials. Criminal Justice Green-specific  Communication: E communicating an	cy Equipment: I g and prepare cl ments along wit t] National Fire I ility to don pers ility to doff pers ify information  Context-c	Demonsothing or stand or otect onal pronal p	strate hor for reus ands and and otective otective or	cess a	don and doff personal docate information using e materials. ([General on [NFPA] 1001 Ch. hing within one minute. hing and prepare for ments, standards, and Does not apply and list different ways of e the use of basic fire		
Outcome  Competencies  Pathways Green Practices	5.2.2 5.2.2 5.2.3	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  L. Perform the ab Perform the ab reuse.  Locate and clar code materials.  Criminal Justice  Green-specific  Communication: E communicating an department comm	cy Equipment: I g and prepare cl ments along wit t] National Fire I ility to don pers ility to doff pers ify information  Context-o	Demonsothing in stand Protect onal protect onal protect in department of the second on	strate ho for reus ards and ion Asso otective otective ortective o	cess anstratey em	don and doff personal docate information using ematerials. ([General on [NFPA] 1001 Ch. hing within one minute. hing and prepare for ments, standards, and Does not apply and list different ways of e the use of basic fire ergency and		
Outcome  Competencies  Pathways Green Practices	5.2.2 5.2.2 5.2.3	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  L. Perform the ab Perform the ab reuse. Locate and clar code materials. Criminal Justice Green-specific  Communication: E communicating an department communicating and department communication: In the communication of the communicating and department communication in the communication of the communicat	cy Equipment: I g and prepare cl ments along wit t] National Fire I ility to don pers ility to doff pers ify information  Context-o explain the commod initiating a re nunication equipormation with p	Demonsothing in stand Protect onal pronal pr	strate hor for reus ards and ion Associated ivertiment.  Fire ent tion procession proces	cess and or	don and doff personal docate information using e materials. ([General on [NFPA] 1001 Ch. hing within one minute. hing and prepare for ments, standards, and Does not apply and list different ways of e the use of basic fire		

	[NFPA] 1001 Ch. 5.2-5.2.4) <b>5.3</b>
Competencies	5.3.1. Explain the procedures for reporting emergency, departmental standard
	operating procedures (SOPs) for taking and receiving alarms, radio codes or
	procedures, and information needs to dispatcher.
	5.3.2. Demonstrate the ability to operate fire department communications
	equipment, relay information, and record information.
	5.3.3. Discuss the fire department procedures for answering nonemergency
	telephone calls.
	5.3.4. Demonstrate the ability to operate fire station telephone and intercom
	equipment.
	5.3.5. Discuss the departmental radio procedures and etiquette for routine traffic,
	emergency traffic, and emergency evacuation signals.
	5.3.6. Perform the ability to operate radio equipment and discriminate between
	routine and emergency traffic.
	5.3.7. Discuss personnel accountability systems.
	5.3.8. Discuss emergency communications procedures and emergency evacuation
	methods.
	5.3.9. Demonstrate an emergency call for assistance and use alternative methods
	for requesting assistance.
Pathways	Criminal Justice X Fire
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply

Outcome	do So in lo po ao	5.4. Self-Contained Breathing Apparatus (SCBA): Explain knowledge of and demonstrate the ability to: 1) wear, operate, and monitor air supply of an SCBA, 2) use emergency techniques, procedures, and built-in functions, including warning devices, in case of equipment malfunctions or activation of low air alarm, 3) exit a structure prior to air cylinder depletion, 4) wear protective equipment while mounting, riding, and dismounting fire apparatus, and 5) establish and work safely in designated work areas. ([Fire Ground						
		perations–SCBA] National Fire Protection Association [NFPA] 1001 Ch. 5.3–3.3) <b>5.4</b>						
Competencies	5.4.1.	List and discuss the components that make up the SCBA assembly including low air alarms.						
	5.4.2.	Convey breathing techniques while wearing SCBA.						
	5.4.3.	Describe the indicators for and discuss possible emergency procedures while wearing SCBA.						
	5.4.4.	List the physical requirements for wearing SCBA.						
	5.4.5.	Exit a restricted passage while wearing full personal protective equipment (PPE) and breathing air from a SCBA unit.						
	5.4.6.	Demonstrate the ability to control breathing while breathing air from an SCBA unit.						
	5.4.7.	Replace a depleted air cylinder with a full air cylinder on an SCBA unit.						
	5.4.8.	Demonstrate emergency procedures taken in the event of an SCBA failure or air cylinder depletion.						
	5.4.9.	Don all personal protective clothing and equipment correctly within two minutes, breathing air and pass device activated.						
	5.4.10.	Discuss the mounting and dismounting procedures for riding fire and						

		Emergency Me	dical	Services (EM	S) app	aratus.			
	5.4.1	<ol> <li>Describe the had</li> </ol>	zard	s and ways to	avoi	d hazard	ds tha	it cause accidents	
		associated with	ssociated with riding fire and EMS apparatus.						
	5.4.1	<ol><li>List the practice</li></ol>	es tha	at are prohibi	ted w	hile ridi	ng fir	e and EMS apparatus.	
	5.4.1	<ol><li>List the commo</li></ol>	n typ	es of PPE use	ed wh	ile ridin	g on f	fire and EMS apparatus.	
	5.4.1	<ol><li>Demonstrate th</li></ol>	ne pr	oper use for $\epsilon$	each <sub>l</sub>	piece of	safet	y equipment provided,	
		including weari	ng se	eat belts.					
	5.4.1	<ol><li>Explain the pot</li></ol>	entia	l hazards invo	olved	in opera	ating	at emergency scenes	
		including traffic	con	trol, utilities,	and e	nvironn	nenta	l conditions.	
	5.4.1	<ol><li>Describe the pr</li></ol>	oper	procedures f	or dis	mounti	ng fir	e and EMS apparatus in	
		traffic and at of	her e	emergency ar	nd no	nemerge	ency s	scenes.	
	5.4.1	<ol><li>Explain the pro</li></ol>	cedu	res and use o	f diffe	erent typ	oes o	f protective equipment	
		available to ens	ure t	the user's saf	ety, w	hile ope	eratin	ng at emergency scenes	
		and work zone	desig	gnations.					
	5.4.1	8. Demonstrate h	Demonstrate how to safely dismount apparatus, don appropriate safety						
		equipment for	the g	iven situatior	n, and	deploy	traffi	c and scene control	
		devices to prot	ect tł	ne work area.	1				
Pathways		Criminal Justice			Χ	Fire			
<b>Green Practices</b>		Green-specific		Context-de	pende	nt	Χ	Does not apply	

Outcome	5.5. Entry Techniques: Identify common methods and perform forcible entry techniques through various types of doors, windows, walls, and the locking mechanisms using powered and nonpowered equipment and tools. ([Fire Ground Operations–Forcible Entry] National Fire Protection Association [NFPA] 1001 Ch.5.3.4)5.5								
Competencies	<ul> <li>5.5.1. List the basic construction of typical doors, windows, and walls found within the community or service area.</li> <li>5.5.2. Explain the operation of a variety of doors, windows, and locks used within the community or service area.</li> <li>5.5.3. Convey dangers associated when forcing entry through doors, windows,</li> </ul>								
	walls, and locks.  5.5.4. Demonstrate how to safely carry, operate, and use common forcible entry tools to force entry through doors, windows, walls, and locks.								
Pathways	Criminal Justice X Fire								
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply								

Outcome	5.6. Safe Egress: Demonstrate as a team how to safely exit a hazardous					
	environment, with zero visibility conditions, into a safe environment, without					
	depleting your air supply and while maintaining team integrity. ([Fire Ground					
	Operations–Exit Hazardous Area] National Fire Protection Association [NFPA]					
	1001 Ch.5.3.5 ) <b>5.6</b>					
Competencies	5.6.1. Define emergency radio traffic communication procedures, and emergency					
	evacuation signals/methods.					
	5.6.2. Describe personnel accountability systems, emergency escape, and what					
	constitutes a safe haven.					
	5.6.3. Describe the emergency procedures for loss of air supply.					
	5.6.4. List the elements that create and/or indicate a hazardous environment.					

	5.6.5 5.6.5	all available ser 5. Exit a hazardou following the li	nses t is are ne to	o evaluate fo a by searchin a safe haven	r haz g for	ards. and find	ling a	guide line then preathing apparatus
Pathways		Criminal Justice						
<b>Green Practices</b>		Green-specific	Context-dependent			ent	Х	Does not apply

Outcome	5.7.	. Ladders: Explain t	he kn	owledge needed and demo	onstr	ate the skills required to			
		select, carry, place, raise, extend, climb, and work off of ladders. ([Fire Ground							
		Operations-Ladde	ers] N	ational Fire Protection Asso	ociat	ion [NFPA] 1001			
		Ch.5.3.6) <b>5.7</b>							
Competencies	5.7.	.1. List the parts o	f an e	extension ladder.					
	5.7.	.2. Explain the haz	ards	associated with setting up	grou	nd ladders.			
	5.7.	.3. Explain what co	onstit	cutes a stable foundation fo	or lad	lder placement.			
	5.7.	.4. Describe the di	iffere	nt climbing angles needed	for s	afe completion of various			
		tasks along wit	h ext	ending fly sections, assurin	g the	e fly section is locked.			
	5.7.	5.7.5. Explain what constitutes a reliable structural component for tip placement.							
	5.7.	.6. Demonstrate of	arries	and raises for single and e	exten	sion ladders along with			
		extending fly s	ection	ns, assuring the fly section i	is loc	ked.			
	5.7.	.7. Establish with	certai	nty that a wall or roof will:	supp	ort a ladder and that the			
		ladder is at the	corre	ect climbing angle for the g	given	task.			
	5.7.	.8. Select the corr	ect le	ngth extension ladder for a	a give	en height and properly			
		place the ladde	er add	dressing and avoiding safet	y haz	ards.			
	5.7.	.9. Climb and leg l	ock a	n extension ladder.					
	5.7.	5.7.10. Climb and leg lock an extension ladder and work with a tool.							
Pathways		Criminal Justice		X Fire					
<b>Green Practices</b>		Green-specific		Context-dependent	Χ	Does not apply			

Outcome	5.8. Vehicle Fires: Explain knowledge of and demonstrate the performance required							
	to identify multiple hazards associated with vehicle fires, and use the correct							
	techniques for controlling and extinguishing a vehicle fire. Force entry into all							
	locked compartments. ([Fire Ground Operations-Vehicle Fires] National Fire							
	Protection Association [NFPA] 1001 Ch. 5.3.7)5.8							
Competencies	5.8.1. Convey the principles of fire streams as they relate to fighting vehicle fires.							
	5.8.2. List the dangerous conditions created during a vehicle fire, along with the							
	precautions taken when advancing hose lines towards these types of fires.							
	5.8.3. Describe the desire observable results of a properly applied fire stream to a vehicle fire.							
	5.8.4. Identify types of alternative fueled vehicles and list the hazards associated with each vehicle type.							
	5.8.5. Disclose the types of injuries associated with extinguishing vehicle fires along with procedures for avoiding these injuries.							
	5.8.6. Describe how to gain entry into locked trunks, engine compartments, and passenger compartments.							
	5.8.7. List procedures for conducting a safe and effective overhaul after							

Pathways

**Green Practices** 

	ı			1.6						
	extinguishing a vehicle fire.									
	5.8.8. Perform the proper procedures while advancing a 1½" or larger diameter									
		attack line, operating the nozzle patterns for maximum effectiveness, and								
		extinguishing the vehicle fire while maintaining flash fire protection.								
	5.8.9.	Access all locke	d an	d unlocked compar	tments	to ex	cpose and extinguish			
		hidden fires.								
	5.8.10	. Identify vehicle	's fu	el type and use pro	per pro	cedu	res for controlling fuel			
		leaks.					_			
	5.8.11	. Identify danger	ous	conditions created	during a	a veh	icle fire.			
Pathways	С	Criminal Justice		Х	Fire					
Green Practices		Green-specific		Context-depende		Х	Does not apply			
							2000			
Outcome	5.9. Ir	nspecting Materia	ls Sto	rage: Explain the m	nethods	and	demonstrate the			
341000				•			red materials on fire, 2)			
		· · · · · · · · · · · · · · · · · · ·					cked/stored materials			
		_	_				iling stacked and stored			
		•			-					
							origin and cause, and			
							acked Class A Fires]			
				Association [NFPA]						
Competencies	5.9.1.					s app	propriate for attacking			
		•		ials and outdoor fir						
	5.9.2.		anger	rs such as a collapse	e associ	ated	with stacked and piled			
		materials.								
	5.9.3.				_	_	should perform to			
		extinguish diffe	erent	materials and mate	erial coi	าfiguเ	rations.			
	5.9.4.	List methods, a	long	with the tools requ	iired, to	brea	ak up various types of			
		materials and t	he di	fficulties related to	comple	ete ex	xtinguishment.			
	5.9.5.	Describe the m	etho	ds used for water a	pplicati	on fo	or exposure protecting			
		and fire suppre	ssior	١.						
	5.9.6.	List the hazards	s (e.g	., collapse, toxic fui	mes, ha	zardo	ous materials) that may			
		be found durin	g fire	s in building, storag	ge facili	ties, a	and containers.			
	5.9.7.		_				ist the techniques for			
			_	e related evidence.			•			
	5.9.8.				nt haza	rds re	elated to the materials			
			•	perate hand lines a						
	5.9.9.	~					nd tools, apply water			
	5.5.5.			te for complete ext		_				
	5.9.10			•	_		ation of fire origin while			
	5.5.10			•			olete extinguishment.			
	5.9.11					-	hniques for maximum			
	0.5.11	Operate nose n		and other water ap	piicatio	וונפנ	iiiiques ioi iiiaxiiiiuiii			

Outcome	5.10. Search and Rescue: Explain the methods for and demonstrate entering a
	structure using various entry points, performing a comprehensive primary
	search and rescue/removal of a victim found in an obscured visibility

penetration and search for expose hidden fire.

X Fire

Х

Does not apply

Context-dependent

Criminal Justice

Green-specific

		environment and, when appropriate, conducting a secondary search while									
		•			•	•		Operations–Search and			
		Rescue] National Fire Protection Association [NFPA] 1001 Ch. 5.3.9) <b>5.10</b>									
Competencies	5.10				of for	cible en	try to	ols used during			
			structural rescue operations.								
	5.10		-		f grou	ınd and	aeria	Il ladders during			
		structural resci									
	5.10		-	_		perating	in ol	oscured conditions and			
		ways to effecti	•	•							
	5.10	0.4. Describe meth	ods to	o determine i	f an a	rea is te	nabl	e and safe for interior			
		operations.									
		0.5. Describe the p	•	•				-			
		0.6. Describe the p	•	•				'			
	5.10				nber's	roles ar	nd go	als during a structural			
		search and res		•							
	5.10			rious method	ls to lo	ocate vio	ctims	during a search and			
		rescue operation									
	5.10							ove victims from a			
		structure, on v			_			-			
	5.10	0.10. Demonstrate t					_				
				•			_	apparatus (SCBA).			
	5.10	0.11. Demonstrate t	he pr	oper placeme	ent ar	d use of	flado	lers during rescue			
		operations.									
		).12. Demonstrate a		_				_			
		0.13. Demonstrate a		_				_			
		).14. Demonstrate a				•		, ·			
	5.10		he pr	oper techniq	ues fo	r assess	ing t	he tenability of a given			
_		area.									
Pathways		Criminal Justice			Х	Fire	l				
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Χ	Does not apply			

Outcome	5.11. Structure Fires: Explain procedures for and demonstrate how to: 1) deploy, extend, and replace attach lines, 2) enter a structure using various entry points, control and extinguish a fire using effective water application techniques for above grade and below grade fires, 3) maintain team integrity, 4) conduct an effective overhaul. ([Fire Ground Operations—Fire Control] National Fire
	Protection Association [NFPA] 1001 Ch. 5.3.10. Note: National Fire Protection
	Association [NFPA] 1403, Standard on Live Fire Training Evolutions, applies.)5.11
	11 /
Competencies	5.11.1. List the various types of fire streams used for an interior fire attach.
	5.11.2. Describe the design, operation, nozzle pressure effects, and flow capabilities
	of various types of fog nozzles.
	5.11.3. Describe the design, operation, nozzle pressure effects, and flow capabilities
	of various types of smooth bore nozzles.
	5.11.4. Describe the design, operation, nozzle pressure effects, and flow capabilities
	of various types of specialty nozzles.
	5.11.5. List and describe the precaution to be followed when advancing hose lines

- to a fire.
- 5.11.6. Describe the observable results of a properly applied fire stream.
- 5.11.7. Describe various dangerous building conditions created as the result of a fire.
- 5.11.8. Describe the basic principles of exposure protection.
- 5.11.9. List and describe the potential long-term consequences of exposure to products of combustion for a firefighter.
- 5.11.10. List and describe the physical state of matter in which fuels are found.
- 5.11.11. Describe common types of accidents or injuries and their causes that may occur on the fire ground.
- 5.11.12. Describe the proper placement and application of a small diameter (1½" to 2") attach line.
- 5.11.13. Describe the proper placement application of a medium diameter (2½") attach line.
- 5.11.14. Describe the role of a backup team during an interior fire attack.
- 5.11.15. Describe the proper fire attack methods for a grade-level fire.
- 5.11.16. Describe the proper fire attack methods for an above-grade-level fire.
- 5.11.17. Describe the proper fire attack methods for a below-grade-level fire.
- 5.11.18. Describe the proper methods for locating and exposing hidden fires.
- 5.11.19. Demonstrate the proper methods to prevent water hammer when shutting down nozzles.
- 5.11.20. Demonstrate the ability to properly open, close, and adjust nozzle flow and patterns on various automatic and adjustable fog nozzles.
- 5.11.21. Demonstrate the ability property open and close various smooth bore nozzles.
- 5.11.22. Demonstrate the proper procedures for applying water using a direct fire attack.
- 5.11.23. Demonstrate the proper procedures for applying water using an indirect fire attack.
- 5.11.24. Demonstrate the proper procedures for applying water using a combination fire attack.
- 5.11.25. Demonstrate the proper procedure for advancing a 1%" or larger diameter hose up ladders.
- 5.11.26. Demonstrate the proper procedure for advancing a 1½" or larger diameter hose up stairways.
- 5.11.27. Demonstrate the proper procedure for advancing a 1½" or larger diameter hose down stairways.
- 5.11.28. Demonstrate the proper methods for extending hose lines.
- 5.11.29. Demonstrate the proper methods for replacing burst or broken sections of hose.
- 5.11.30. Operate charged hose line of  $1\frac{1}{2}$ " diameter or larger while secured to a ground ladder.
- 5.11.31. Demonstrate the proper methods for coupling and uncoupling various size hose connections.
- 5.11.32. Demonstrate the proper fire attack methods for a grade-level fire.
- 5.11.33. Demonstrate the proper attack methods for an above-grade-level fire.
- 5.11.34. Demonstrate the proper fire attack methods for a below-grade-level fire.
- 5.11.35. Locate and suppress interior wall fires.

Pathways	Criminal Justice				Fire		
<b>Green Practices</b>	Green-specific		Context-de	pende	ent	Χ	Does not apply

Outcome	5.12. Horizontal Ventilation: Identify the hazards associated with a structure needing											
	horizontal ventilation and demonstrate various types of horizontal ventilation											
	using natural and mechanical means to remove smoke, heat, and toxic gasses											
	from within the structure using appropriate tools, equipment, and procedures.											
	([Fire Ground Operations–Horizontal Ventilation] National Fire Protection											
	Association [NFPA] 1001 Ch. 5.3.11) <b>5.12</b>											
Competencies	5.12.1. List and describe the principles, advantages, limitations, and effects of											
	horizontal ventilation.											
	5.12.2. List and describe the principles, advantages, limitations, and effects of											
	mechanical ventilation.											
	5.12.3. List and describe the principles, advantages, limitations, and effects of											
	hydraulic ventilation.											
	5.12.4. List and describe the safety considerations when venting a structure.											
	5.12.5. Describe the behavior of fire as it relates to venting in a structure.											
	5.12.6. List and explain the products of combustion found in a structure fire.											
	5.12.7. List and explain the signs and cause of backdraft.											
	5.12.8. List and explain the effects of a backdraft.											
	5.12.9. Describe the methods to prevent a backdraft.											
	5.12.10. Explain the relationship of oxygen concentration to life safety.											
	5.12.11. Explain the relationship of oxygen concentration to fire growth.											
	5.12.12. Demonstrate the ability to properly carry and place a ladder to the structure											
	for ventilation.											
	5.12.13. Demonstrate the ability to properly carry various ventilation tools and											
	equipment to the location where they will be used.											
	5.12.14. Demonstrate the proper procedure for safely breaking glass in a window or											
Dath	door and removing all obstructions.											
Pathways	Criminal Justice X Fire											
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply											

Outcome	5.13. Vertical Ventilation: Identify the hazards associated with a structure needing							
	vertical ventilation and demonstrate vertical ventilation to remove smoke,							
	heat, and toxic gasses from within the structure using the appropriate tools,							
	equipment, and procedures. ([Fire Ground Operations–Vertical Ventilation]							
	National Fire Protection Association [NFPA] 1001 Ch. 5.3.12)5.12 or 5.13???							
Competencies	5.13.1. Discuss the methods of heat transfer.							
	5.13.2. Describe the principles of thermal layering within the structure on fire.							
	5.13.3. Discuss the techniques and safety precautions for venting flat roofs, pitched							
	roofs, and basements.							
	5.13.4. Explain the basic indicators of potential collapse or roof failure.							
	5.13.5. Describe the effects of construction type and elapsed time under fire							
	conditions on structural integrity.							
	5.13.6. Discuss the advantages and disadvantages of vertical and trench/strip							
	ventilation.							
	5.13.7. Demonstrate the ability to transport and operate ventilation tools and							

		equipment.										
	5.13.8.	5.13.8. Demonstrate the ability to hoist ventilation tools to a roof.										
	5.13.9.	5.13.9. Perform the ability to cut roofing and flooring materials to vent flat roofs,										
		pitched roofs, and basements.										
	5.13.10	). Demonstrate tl	ne ab	ility to sound	a roc	of for int	egrity	<b>y</b> .				
	5.13.11	Demonstrate tl	ne ab	ility to clear a	an op	ening w	ith ha	ind tools.				
	5.13.12	5.13.12. Perform the ability to select, carry, deploy, and secure ground ladders for										
		ventilation acti	vities	•								
	5.13.13	3. Demonstrate th	าe de	ployment of	a roo	f ladder	on a	pitched roof while				
		secured to a gr	ound	ladder.								
	5.13.14	. Perform a carry	of v	entilation-rel	ated t	tools an	d equ	ipment while ascending				
		and descending	g lado	lers.								
Pathways	Cr	iminal Justice			Χ	Fire						
<b>Green Practices</b>	Gı	een-specific		Context-dep	pende	ent	Х	Does not apply				

Outcome	5.14	5.14. Structure Overhaul: Explain the process and demonstrate the procedures for											
		conducting a safe and effective overhaul without compromising the structure,											
		using appropriate tools, equipment, and procedures, to extinguish all fire and											
		protect possible evidence. ([Fire Ground Operations–Overhaul] National Fire											
		Protection Association [NFPA] 1001 Ch. 5.3.13)5.14											
Competencies	5.14	I.1. List the types o	of fire	attack lines	and w	ater app	licat	ion devices most					
		effective for ov	erha/	ul.									
	5.14	I.2. Describe the w	ater	application m	etho	ds for ex	tingu	ishment that will limit					
		water damage.											
	5.14	I.3. List the types o	of too	Is and metho	ds us	ed to exp	pose	hidden fires.					
	5.14	I.4. Discuss the dar	-										
	5.14		_		of or	igin, sigr	is of	arson, and reasons for					
		protecting evid	lence										
	5.14	I.6. Demonstrate t	he ab	ility to deplo	y and	operate	atta	ck lines during overhaul.					
	5.14	I.7. Demonstrate t	he ste	eps for remo	ving fl	ooring, o	ceilin	g, and wall material to					
		expose void sp	aces	without com	promi	sing stru	ıctur	al integrity.					
	5.14	I.8. Perform water	appli	ication for ma	aximu	m effect	tiven	ess during overhaul.					
	5.14				ing ar	nd exting	guishi	ing hidden fires in walls,					
		ceilings, and subfloor spaces.											
	5.14			•	ridenc	e, detec	t are	a of origin, and evaluate					
		for complete e	xting	uishment.									
Pathways		Criminal Justice			Χ	Fire							
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Χ	Does not apply					

Outcome	5.15. Salvage Operations: Explain the methods and demonstrate the actions required
	to conduct property conservation by covering unwanted openings,
	covering/protecting furnishings, stopping or rerouting water flow from
	sprinkler systems, removing charred materials, and protecting scene evidence.
	Clean, inspect, fold, and roll salvage covers to prepare for reuse. ([Fire Ground
	Operations—Property Conservation] National Fire Protection Association [NFPA]
	1001 Ch. 5.3.14) <b>5.15</b>
Competencies	5.15.1. Discuss the purpose of property conservation and its value to the public.

	5.15.2. Describe the methods used to protect property.											
	5.15.3	. List the types o	f and	uses for salv	age c	overs.						
	5.15.4	5.15.4. Discuss the operations at properties protected with automatic sprinklers.										
	5.15.5	5.15.5. Describe how to stop the flow of water from an automatic sprinkler head.										
	5.15.6	. Discuss the ide	ntific	ation of mair	cont	rol valve	es on	an automatic sprinkler				
		system.										
	5.15.7	. Discuss forcible	entr	y issues relat	ed to	salvage						
	5.15.8	. Demonstrate th	he ab	ility to cluste	r furr	iture.						
	5.15.9	. Demonstrate h	ow to	deploy cove	ering i	material	s.					
	5.15.1	0. Demonstrate h	ow to	roll and fold	l salva	age cove	ers fo	r reuse.				
	5.15.1	1. Demonstrate h	ow to	construct w	ater	chutes a	nd ca	tch-alls.				
	5.15.1	2. Demonstrate th	he pr	ocedures for	remo	ving wa	ter.					
	5.15.1	3. Demonstrate h	ow to	o cover buildi	ng op	enings,	inclu	ding doors, windows,				
		floor openings,	and	roof opening	s.							
	5.15.1	4. Perform the ste	eps to	separate, re	move	e, and re	locat	e charred material to a				
		safe location w	hile p	protecting the	e area	of origi	n for	fire determination				
	5.15.1	5. Demonstrate h	ow to	stop the flo	w of v	water fro	om a	sprinkler head with				
		sprinkler wedge	es or	stoppers.								
	5.15.1	6. Operate a mair	con	trol valve on	an au	tomatic	sprin	kler system.				
	5.15.1	7. Discuss proced	ures	for protecting	g pos	sible are	as of	origin and potential				
		evidence.										
Pathways	С	riminal Justice			Χ	Fire						
<b>Green Practices</b>	G	reen-specific		Context-de	pende	ent	Χ	Does not apply				

Outcome	5.16	6. W	ater Supply: Exp	lain t	he steps and	dem	onstrate	the p	procedures for: 1)
	connecting supply hose to a hydrant and making a forward and reverse lay, 2)								
		op	erating a hydrai	nt, 3)	obtaining wa	ater fr	om a su	itable	e static water source that
		ine	cludes drafting f	rom a	a portable wa	ater ta	ank. ([Fir	e Gro	ound Operations–Water
		Su	pply] National F	ire Pr	otection Ass	ociati	on [NFP	A] 10	01 Ch. 5.3.15) <b>5.16</b>
Competencies	5.16	5.1.	Discuss loading	and	offloading pr	oced	ures for	mobi	le water supply
			apparatus.						
	5.16	5.2.	Describe fire hy	/dran	t operations.				
	5.16	5.3.	Discuss proced	ures a	and protocol	for co	onnectin	g to s	suitable static water
			supply sources.						
	5.16	5.4.	Perform the ab	ility t	o hand lay a	suppl	y hose.		
	5.16	5.5.	Demonstrate h	ow to	connect and	d plac	e hard s	uctio	n hose for drafting
			operations.						
	5.16	6.6.	Operate the de	ployr	ment of porta	able w	ater tar	ıks as	well as the equipment
			necessary to tra	ansfe	r water betw	een a	ınd draft	fron	n them.
	5.16	5.7.	Perform hydrar	nt-to-	pumper hose	e conr	nections	for fo	orward and reverse lays.
	5.16	5.8.	Connect supply	hose	e to a hydran	t and	fully ope	en an	d close the hydrant.
Pathways		Cri	minal Justice			Χ	Fire		
<b>Green Practices</b>		Gre	een-specific		Context-de	pende	ent	Χ	Does not apply

Outcome	5.17. Fire Classification: Identify Class A, B, C, and K type fires and relate the fire to
	the appropriate type of fire extinguisher. Select the correct fire extinguisher
	then extinguish a Class A, B, and C type incipient fire. ([Fire Ground

		Operations—Portable Fire Extinguisher] National Fire Protection Association										
		[NFPA] 1001 Ch. 5.3.16) <b>5.17</b>										
Competencies	5.17	5.17.1. List the different classifications of fire.										
	5.17	5.17.2. List the types of rating system for each classification of fire.										
	5.17	.3. List the risks as	socia	ted with eac	h clas	sificatio	n of f	ire.				
	5.17	.4. Describe the op	erat	ing methods	of a p	ortable	extin	guisher.				
	5.17	5.17.5. Describe the limitations of a portable extinguisher.										
	5.17	.6. Demonstrate th	emonstrate the ability to operate a portable extinguisher.									
	5.17	.7. Demonstrate h	ow to	o approach fi	re wit	h a port	able	extinguisher.				
	5.17	.8. Demonstrate h	ow to	o select an ag	prop	riate ext	ingui	sher based on the size				
		and type of fire					Ū					
	5.17	.9. Demonstrate h	ow to	safely carry	a por	table ex	tingu	isher.				
Pathways	Х	Criminal Justice			Χ	Fire						
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Х	Does not apply				

Outcome	5.18	8. Scene Lighting: Ex	plain	the process	for ch	oosing t	he ap	propriate lighting					
	system and placement of the lights for a given fire scene. Demonstrate the												
		procedures by choosing, deploying, and safely illuminating a fire scene											
		scenario. ([Fire Gr	ound	Operations-	Scene	e Illumin	ation	] National Fire					
		Protection Associa	ation	[NFPA] 1001	Ch. 5	.3.17) <b>5.</b> 1	18						
Competencies	5.18	8.1. Discuss the safe	ety p	rinciples and	pract	ices for	using	lighting equipment.					
	5.18	8.2. Describe powe	r sup	ply capabiliti	es and	d limitati	ions.						
	5.18	5.18.3. List the methods of light deployment.											
	5.18	8.4. Demonstrate tl	he ab	ility to opera	te de	partmen	it pov	ver supply units (e.g.,					
		generators, por	wer t	ake-off [PTO]	]).								
	5.18	8.5. Demonstrate tl	he ab	ility to opera	te ligl	nting eq	uipm	ent (e.g., tripods, masts).					
	5.18	8.6. Demonstrate h	ow to	select and s	etup	cords ar	nd coi	nnectors.					
	5.18	8.7. Demonstrate h	ow to	reset groun	d fau	lt interru	upter	(GFI) devices and					
		apparatus brea	kers.										
	5.18	8.8. Demonstrate h	ow to	position ligi	nting	for optir	nal sa	afety and effect.					
Pathways		Criminal Justice			Х	Fire							
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Х	Does not apply					

Outcome	5.19. Utilities Shutoff: Identify the safety concerns and procedures for turning off the						
	gas, electric, and water supplies to a structure. Demonstrate the procedures						
	for shutting off the utilities. ([Fire Ground Operations–Turn Off Utilities]						
	National Fire Protection Association [NFPA] 1001 Ch. 5.3.18) <b>5.19</b>						
Competencies	5.19.1. List the properties and principles for utilities likely encountered (i.e.,						
	electricity, gas, water, hydraulic, pneumatic systems).						
	5.19.2. List the safety concerns for utilities likely encountered (i.e., electricity, gas,						
	water, hydraulic, pneumatic systems).						
	5.19.3. List the methods for rending utilities likely encountered safe (e.g., shutoff,						
	disconnection, lockout).						
	5.19.4. Describe the associated dangers related to rending utilities safe.						
	5.19.5. Describe the use of required safety equipment in rendering utilities safe.						
	5.19.6. Demonstrate the ability to identify utility control devices.						
	5.19.7. Demonstrate the ability to operate utility-related control valves or switches.						

	5.19.8. Demonstrate the ability to perform an assessment for utility-related							
		hazards.						
Pathways		Criminal Justice			Χ	Fire		
<b>Green Practices</b>		Green-specific	Context-dependent			ent	Х	Does not apply

Outcome	5.20. Ground Cover Fires: Identify the hazards associated with ground cover fires,							
	identify types and features of ground cover fires, and demonstrate							
	controlling/ex	inguish	ing fires using	the a	ppropri	ate fi	re lines, hose, tools, and	
	water applica	ion. ([Fi	re Ground Op	eratio	ns–Gro	und C	Cover Fires] National Fire	
	Protection As	ociation	n [NFPA] 1001	Ch. 5	.3.19) <b>5.</b> 2	20		
Competencies	.20.1. List the fuel	classific	ations as they	relat	e to wild	lland	fires.	
	.20.2. List the pa	ts of a v	vildland fire.					
	.20.3. Discuss the	method	ds used to app	roach	and att	ack v	vildland fires for	
	containme	nt or sup	pression.					
	.20.4. Discuss the	safety	orinciples and	pract	ices con	nmon	ly used for wildland fire	
	containme	nt and s	uppression.					
	.20.5. Demonstra	te the s	teps to detern	nine e	xposure	thre	ats based on wildland	
	fire spread							
	.20.6. Demonstra	te how	the exposures	are p	rotecte	d fror	n spreading wildland	
	fires.							
	.20.7. Demonstra	te the s	teps to constr	uct a	fire line.			
	.20.8. Demonstra	te the s	teps to exting	uish a	wildlan	d fire	using hand tools.	
	5.20.9. Demonstrate the steps to maintain the integrity of established fire lines							
			wildland fire		J	•		
	-				ontaine	d wile	dland fire with water.	
Pathways	Criminal Justic			Х	Fire			
<b>Green Practices</b>	Green-specific		Context-de	pende	ent	Х	Does not apply	

Outcome	5.21. Rope Use: Explain the differences, care, maintenance, inspection, and uses for							
	life safety rope compared to utility rope and demonstrate hoisting tools using							
	the appropriate knots. ([Fire Ground Operations–Ground Cover Fires] National							
	Fire Protection Association [NFPA] 1001 Ch. 5.3.20) <b>5.21</b>							
Competencies	5.21.1. Discuss knot types and usages.							
	5.21.2. Describe the differences between life safety and utility rope.							
	5.21.3. Explain the reasons for placing rope out of service.							
	5.21.4. Discuss how the different types of knots are sued for given tools, ropes, or							
	situations.							
	5.21.5. Discuss how rope is used to support response activities.							
	5.21.6. Demonstrate the hoisting methods for tools and equipment.							
	5.21.7. Demonstrate hoisting tools and equipment using ropes and the correct knot.							
Pathways	Criminal Justice X Fire							
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply							

Outcome	5.22. Equipment Maintenance: Explain and demonstrate the proper methods for
	inspecting, cleaning, maintaining, and record keeping for: 1) basic tools and
	equipment, 2) ladders and ropes, 3) ventilation equipment and hose, 4) self-
	contained breathing apparatus (SCBA). Prepare hose for reuse by rolling and

		reloading into the hose bed. ([Preparedness and Maintenance] National Fire Protection Association [NFPA] 1001 Ch. 5.5–5.52)									
Competencies	5.22.	5.22.1. Describe the process for cleaning, inspection, maintenance, and record keeping for ladders following manufacturer's or department guidelines.									
	<b>-</b> 22			_				_			
	5.22.	•		-				tenance, and record			
		guidelines.	itilatio	on equipmer	τ τοπ	owing m	anut	acturer's or department			
	5.22.	3. Describe the pr	ocess	for cleaning	, insp	ection, ı	maint	tenance, and record			
		keeping for SCE	3A fol	lowing manu	ıfactu	rer's or	depa	rtment guidelines.			
	5.22.	4. Describe the pr	ocess	for cleaning	, insp	ection, ı	maint	enance, and record			
		keeping for rop	es fo	llowing man	ufactu	rer's or	depa	rtment guidelines.			
	5.22.	5. Describe the pr	ocess	for cleaning	, insp	ection, ı	maint	tenance, and record			
		keeping for salv	vage e	equipment fo	llowi	ng manı	ıfactı	urer's or department			
		guidelines.									
	5.22.	6. Describe the pr	ocess	for cleaning	, insp	ection, ı	maint	tenance, and record			
		keeping for har	nd too	ols following	manu	facturer	's or	department guidelines.			
	5.22.	7. Demonstrate cl	leanir	ng, inspection	n, bas	c maint	enan	ce, and record keeping			
		for ladders in a	ccord	ance with m	anufa	cturer's	or de	epartment guidelines.			
	5.22.	8. Demonstrate cl	leanir	ng, inspection	n, bas	c maint	enan	ce, and record keeping			
		for ventilation e	equip	ment in acco	ordano	e with r	manu	facturer's or department			
		guidelines.									
	5.22.	9. Demonstrate cl	leanir	ng, inspection	n, bas	c maint	enan	ce, and record keeping			
		for SCBA in acco	ordar	nce with mar	ufact	urer's oi	r dep	artment guidelines.			
	5.22.							ce, and record keeping			
		•						artment guidelines.			
	5.22.							ce, and record keeping			
			ipme	nt in accorda	nce v	ith mar	nufac	turer's or department			
		guidelines.									
	5.22.							ce, and record keeping			
_			n acc	ordance with			er's o	r department guidelines.			
Pathways		Criminal Justice			Х	Fire					
<b>Green Practices</b>		Green-specific		Context-de	pende	nt	Χ	Does not apply			

Outcome	5.36. Hazardous Materials: Identify and respond to hazardous material incidents.
	The firefighter candidate shall meet the requirements defined in Chapter 5,
	Core Competencies for Operations Level Responders, and 6.6, Mission-
	Specific Competencies Product Control, of NFPA 472, Standard for
	Competence of Responders to Hazardous Materials/Weapons of Mass
	Destruction Incidents.
Competencies	5.36.1. Identify different forms of hazardous materials.
	5.36.2. Identify agencies that have resources to assist in hazards material incidents
	(e.g., Emergency Management Agency [EMA], Environmental Protection
	Agency [EPA], Federal Emergency Management Agency [FEMA]).
	5.36.3. Identify and interpret hazards material labels and placards using the U. S.
	Department of Transportation [DOT] Emergency Response Guidebook.
	5.36.4. Read and interpret Material Safety Data Sheet (MSDS) forms and shipping
	documents.

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	5.36	.5. Identify sources of information on procedures for the safe cleanup, storage,						
		and disposal of hazardous materials (e.g., CHEMTREC).						
	5.36	5.6. Describe the pu	. Describe the purpose of a hazardous materials safety plan.					
Pathways	Χ	Criminal Justice	minal Justice			Fire		
<b>Green Practices</b>		Green-specific	n-specific Context-dep			ent	Х	Does not apply

# Fire Course 4. Firefighter II

## Fire Course 4. Firefighter II

**Description:** Firefighter II is the second in a series for students studying firefighter safety and development. Students will understand Ohio Department of Public Safety fire protection rules and regulations, proper incident reporting and records, proper use of personal protections equipment, and the principles of fire safety. Students will use procedures for use of fire extinguishers, ladder, fire hose, and water supply apparatus.

Outcome	5.23. Incident Management: Explain and apply the actions required within the							
	Incident Management Systems (IMSs) for: 1) distinguishing the need for							
	organizing, assuming, and transferring command, 2) applying all applicable							
	National Fire Protection Association, department, and agency having							
	jurisdiction (AHJ) safety procedures while assuming an assigned roll within the							
	IMS system. ([General Knowledge Requirements] National Fire Protection							
	Association [NFPA] 1001 Ch. 6.1.1-6.1.2)							
Competencies	5.23.1. Define the role and responsibilities of a Firefighter 2.							
	5.23.2. Describe the roles and responsibilities for assuming and transferring							
	command within IMS.							
	5.23.3. Discuss the responsibilities of the first-arriving fire fighters.							
	5.23.4. Define the applicable NFPA and other safety regulations.							
	5.23.5. Define the applicable NFPA standards and other safety regulations.							
	5.23.6. Demonstrate the ability to determine the need for command.							
	5.23.7. Organize and coordinate an IMS until command is transferred.							
	5.23.8. Function within an assignment role within an ICS.							
Pathways	Criminal Justice X Fire							
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply							

Outcome	5.24. Records and Documentation: Identify the information required for completing incident reports and explain the reasons for completing thorough, accurate reports. Demonstrate how to obtain pertinent, accurate information while completing a written or electronically generated incident report. ([Department								
		•	Natio	onal Fire Prot	ectio	n Associa	ation	[NFPA] 1001 Ch. 6.2-	
		6.2.1)							
Competencies	5.24	<ol><li>.1. Describe the st</li></ol>	eps ii	n processing	and ir	nitiating	an er	mergency response.	
	5.24	.2. List the informa	ation	that should I	oe inc	luded in	a ba	sic incident report.	
	5.24	.3. Explain the pur	pose	and usefulne	ess of	accurate	e rep	orts.	
	5.24	.4. Discuss the cor	isequ	ences of inac	ccurat	e report	ts.		
	5.24	.5. List how to obt	ain th	ne necessary	infori	mation a	nd th	ne required coding	
		procedures.		·				,	
	5.24	.6. Demonstrate tl	he ab	ility to deter	mine	necessai	ry co	des.	
	5.24			•			•	echnology necessary to	
		complete repo							
Pathways		Criminal Justice			Х	Fire			
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Х	Does not apply	

Outcome	5.25. Radio Communication: Explain and demonstrate providing radio				
communications addressing the progress and needs of the team/co					

		([Department Communications] National Fire Protection Association [NFPA]							
		1001 Ch. 6.2.2)							
Competencies	5.25	5.25.1. Discuss the standard operating procedures for alarm assignments and fire							
		department radio communication procedures.							
	5.25	5.25.2. Demonstrate the ability to operate fire department communication							
		equipment.							
Pathways		Criminal Justice X Fire							
<b>Green Practices</b>		Green-specific		Context-dependent		Χ	Does not apply		

Outcome	5.26. Foam Application: Explain and demonstrate: 1) choosing the correct type of						
	foam, 2) using the appropriate method and rate of foam application to						
	extinguish given fires, 3) generating and applying foam to reduce hazards, 4)						
	selecting and operating various types of nozzles to apply foam. ([Fire Ground						
	Operations—Foam] National Fire Protection Association [NFPA] 1001 Ch. 6.3.1)						
Competencies	5.26.1. List the methods by which foam prevents or controls a hazard.						
	5.26.2. Describe the principles by which foam is generated.						
	5.26.3. Discuss the causes for poor foam generation and corrective measures.						
	5.26.4. Describe the difference between hydrocarbon and polar solvent fuels and						
	the concentrates that work on each.						
	5.26.5. Describe the characteristics, uses, and limitations of firefighting foams.						
	5.26.6. List the advantages and disadvantages of using fog nozzles versus foam						
	nozzles for foam application.						
	5.26.7. Discuss the techniques for foam stream application.						
	5.26.8. Describe the hazards associated with foam usage.						
	5.26.9. List the methods used to reduce or avoid hazards.						
	5.26.10. Demonstrate the ability to prepare a foam concentrate supply for use.						
	5.26.11. Assemble foam stream components.						
	5.26.12. Demonstrate how to approach and retreat from spills as part of a						
	coordinated team.						
Pathways	Criminal Justice X Fire						
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply						

Outcome	5.27. Interior Fire Suppression: Evaluate the fire scene and structure stability, select the appropriate tools and equipment, and demonstrate an interior attack on a						
	structure fire, maintaining communication with your team and incident						
	command, performing ventilation, search and rescue of victims, and						
	extinguishing fire located on various levels and grades of the structure. ([Fire						
	Ground Operations–Structure Fires] National Fire Protection Association						
	[NFPA] 1001 Ch. 6.3.2 Note: NFPA 1403, Standard on Live Fire Training						
	Evolutions, applies.)						
Competencies	5.27.1. Discuss the selection of nozzle and hose for fire attack given the different						
	fire situations.						
	5.27.2. Discuss the selection of adapter and appliances to be used for specific fire						
	ground situations.						
	5.27.3. Describe the dangerous building conditions created by the fire and fire						
	suppression activities.						
	5.27.4. List the indicators of a building collapse.						

	5.27.5. Discuss the effects of fire and fire suppression on wood, masonry (brick,						
	block, stone), cast iron, steel, reinforced concrete, gypsum, wallboard, glass,						
	plaster on lath.						
	5.27.6. Describe search and rescue and ventilation procedures.						
	5.27.7. List the indicators of structural instability.						
	5.27.8. Discuss the suppression approaches and practices for various types of						
	structural fires.						
	5.27.9. Describe the association between specific tools and special forcible entry						
	needs.						
	5.27.10. Demonstrate the ability to assemble a team, choose attack techniques for						
	various levels of fire (e.g., attic, grade-level, upper-level, basement), and						
	evaluate and forecast a fire's growth and development.						
	5.27.11. Select tools for forcible entry.						
	5.27.12. Demonstrate how to incorporate search and rescue procedures and						
	ventilation procedures in the completion of the attack team efforts.						
	5.27.13. Identify developing hazardous building or fire conditions.						
Pathways	Criminal Justice X Fire						
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply						

Outcome	5.28. Life Safety: Explain the procedures, identify hazards, and demonstrate the skills								
		required for: 1) evaluating safety concerns, cylinder contents, and cylinder							
		integrity of a cylinder on fire, 2) identifying safe havens and evacuation							
		procedures, 3) selecting the appropriate tools, equipment, and water							
		application techniques and flow requirements, 3) evaluating, controlling, and							
		extinguishing a flammable cylinder fire. ([Fire Ground Operations—Flammable							
		Cylinder Fire] National Fire Protection Association [NFPA] 1001 Ch. 6.3.3)							
Competencies	5.28	8.1. Discuss the cha							
				•				ects of heat and pressure	
		on closed cylin		,				<b>-</b>	
	5.28	•		liquid expand	ding v	apor ex	plosi	on (BLEVE) signs and	
		effects.	Ü		Ū	•	•	, , ,	
	5.28	5.28.4. List the methods for identifying content and how to identify safe havens							
		before approach						•	
	5.28	8.5. Discuss the wa	ter st	ream usage a	nd d	emands	for p	ressurized cylinder fires.	
	5.28	5.28.6. Discuss what to do if the fire is prematurely extinguished.							
	5.28	8.7. Describe the va	alve t	ypes and thei	r ope	ration.	_		
	5.28	8.8. Explain the alte	ernate	e actions rela	ted to	various	s haz	ards and when to retreat.	
	5.28	5.28.9. Demonstrate the ability to execute effective advances and retreat.							
	5.28.10. Demonstrate the applicability of various techniques for water application.								
	5.28	5.28.11. Demonstrate the ability to assess cylinder integrity and changing cylinder							
		conditions, operate control valve, and choose effective procedures when							
		conditions change.							
Pathways		Criminal Justice			Χ	Fire			
<b>Green Practices</b>		Green-specific		Context-dep	pende	ent	Х	Does not apply	

Outcome	5.29. Fire Investigation: Explain the measures taken and demonstrate the steps
	required for identifying the origin and cause of a fire and protecting possible

		evidence of arson. ([Fire Ground Operations–Protecting Evidence] National Fire						
		Protection Associa	ation	[NFPA] 1001	Ch. 6	.3.4)		
Competencies	5.29	5.29.1. Discuss the methods to assess origin and cause, type of evidence, and						e of evidence, and
		means to protect various types of evidence.						
	5.29	5.29.2. Describe the role and the relationship of Firefighter 1, criminal investigators,						
		and insurance investigators in fire investigations.						
	5.29	5.29.3. Describe the effects and problems associated with removing property or						
	evidence from the scene.							
	5.29	5.29.4. Demonstrate the ability to locate the fire origin area, recognize possible						
		causes, and protect the evidence.						
Pathways	Х	Criminal Justice			Χ	Fire		
<b>Green Practices</b>		Green-specific		Context-de	oende	ent	Χ	Does not apply

Outcome	5.30	0. Vehicle and Equip	ment	Use: Explain	and	perform	: 1) a	ssessing scene safety and
		stabilization of a vehicle involved in an accident, 2) assessing the vehicle's						
		strong, weak, and	acce	ss points, 3) ı	using	extricati	on to	ools and equipment to
		remove vehicle co	mpo	nents to dise	ntang	le a vict	im, 4	) assisting a technical
		rescue team by re	triev	ing equipmer	nt and	or tool/	s and	recognizing inherent
		hazards associated	d wit	h various typ	es of ı	escues.	([Res	scue Operations]
		National Fire Prot	ectio	n Association	[NFP	A] 1001	Ch. 6	5.4-6.4.2)
Competencies	5.30	0.1. Describe the fire	re de	partment's ro	ole at	a vehicl	e acc	ident.
		•		_				utomobile body.
	5.30	0.3. Discuss the dar	-				•	
	5.30				ses, ar	nd limita	tions	of hand and power tools
		used for extrication.						
		0.5. Describe the fire	_					
		0.6. Discuss the haz						
	5.30		ols us	ed for technic	cal res	scue and	l thei	r uses including good
		practice.				_		
	5.30	5.30.8. Demonstrate how to operate hand and power tools used in forcible entry of						
	vehicles.							
		0.9. Demonstrate t		_	-		-	
	5.30	5.30.10. Choose and apply techniques for removing vehicle roofs, doors, windshields,						
		windows, steering wheels and columns, and dash boards.						
	5.30	5.30.11. Demonstrate how to identify and retrieve various types of rescue tools for technical rescues.						
	  - 3/			a cat up affa	******	مط مناطب	rri o =	_
		0.12. Demonstrate h		-				<b>.</b>
Dathways	5.30	Criminal Justice	team as a member when assigned.					
Pathways  Cross Brestiess			1	Contaxt da	X	Fire	l v	Doos not apply
Green Practices		Green-specific		Context-de	penae	ent	Χ	Does not apply

Outcome	5.31. Fire Prevention: Explain current programs and procedures that target reducing
	fires and life safety hazards through inspections, education, and public
	relations. Prepare a fire safety survey on an occupied structure, generating
	recommendations for reducing possible hazards. ([Fire and Life Safety
	Initiatives, Preparedness, and Maintenance] National Fire Protection
	Association [NFPA] 1001 Ch. 6.5-6.5.1)

Competencies	5.31	5.31.1. Describe organizational policies and procedures.							
	5.31	31.2. Discuss the common causes of fire and their prevention.							
	5.31	3. Explain the imp	ortai	nce of public	safet	y survey	and	public fire education	
		programs to a	fire d	epartment pu	ıblic r	elations	and	the community,	
		including refer	ral pr	ocedures.				•	
	5.31	31.4. Demonstrate the ability to complete forms, recognize hazards, match							
			findings to pre-approved recommendations, and effectively communicate						
			findings to occupants or referrals.						
Pathways		Criminal Justice			Χ	Fire			
<b>Green Practices</b>		Green-specific		Context-dep	pende	ent	Х	Does not apply	

Outcome	5.32. Community Outreach: Discuss the basic presentation skills and knowledge						
	requirements needed for conducting a safety presentation using prepared						
	materials. Demonstrate a safety presentation to a small group of people during						
	a station tour. ([Fire and Life Safety Initiatives, Preparedness, and						
	Maintenance] National Fire Protection Association [NFPA] 1001 Ch. 6.5.2)						
Competencies	5.32.1. Describe parts of informational materials and how to use them.						
	5.32.2. Discuss basic presentation skills and departmental standard operating						
	procedures for giving fire station tours.						
	5.32.3. Demonstrate the ability to document presentation and to use prepared						
	materials.						
Pathways	Criminal Justice X Fire						
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply						

Outcome	5.33. Safety Inspection: Explain the procedures for conducting a pre-incident survey							
	and prepare a pre-incident report, use appropriate forms, prepare a diagram of							
	the structure (using common symbols to designate the water supply, fire							
	detection and suppression systems, construction features, and utilities) and							
	identify special features and hazards associated with the structure.([Fire and							
	Life Safety Initiatives, Preparedness, and Maintenance] National Fire Protection							
	Association [NFPA] 1001 Ch. 6.5.3)							
Competencies	5.33.1. Describe the source of water supply for fire protection.							
	5.33.2. Discuss the fundamentals of fire suppression and detection systems.							
	5.33.3. Discuss the common symbols used in diagramming construction features,							
	utilities, hazards, and fire protection systems.							
	5.33.4. Explain the departmental requirements for a pre-incident survey and form							
	completion and the importance of accurate diagrams.							
	5.33.5. Demonstrate the components of fire suppression and detection systems							
	and sketch the site, buildings, and special features.							
	5.33.6. Perform the ability to detect hazards and special considerations to include							
	in the pre-incident sketch.							
	5.33.7. Demonstrate the ability to complete all related departmental forms.							
Pathways	Criminal Justice X Fire							
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply							

Outcome	5.34. Tool Maintenance: Explain and demonstrate the cleaning and maintenance of
	power plants, power tools, lighting equipment, and hand tools. Complete

	app	appropriate maintenance records. ([Fire and Life Safety Initiatives,						
	Prep	Preparedness, and Maintenance] National Fire Protection Association [NFPA]						
	100	1 Ch. 6.5.4)						
Competencies	5.34.1.	Discuss the typ	es of	cleaning met	hods			
	5.34.2. E	xplain the cor	rect c	leaning solve	nts.			
	5.34.3. D	5.34.3. Describe manufacturer's and departmental guidelines for maintaining						es for maintaining
	equipment and documentation.							
	5.34.4. Explain the problem-reporting practices.							
	5.34.5. D							
	С	complete recording and reporting procedures.						
	5.34.6. D							ower tools, and lighting
		equipment.						
Pathways		inal Justice			Χ	Fire		
Green Practices	Gree	n-specific	Context-dependent X Does not a			Does not apply		

Outcome	5.35	5.35. Hose Maintenance: Explain the processes and demonstrate the procedures for							
		inspecting, testing	, and	I placing hose	out-	of-servi	ce and	d completing	
		documentation of	test	results. ([Fire	and	Life Safe	ty Ini	tiatives, Preparedness,	
		and Maintenance] National Fire Protection Association [NFPA] 1001 Ch. 6.5.5)							
Competencies	5.35	5.35.1. Discuss the procedures for safely conducting hose service testing.							
	5.35	5.35.2. Describe the indicators that dictate any hose be removed from service and							
		recording procedures for hose test results.							
	5.35.3. Demonstrate the ability to operate a hose testing and nozzles and to record							nd nozzles and to record	
	the results.								
Pathways		Criminal Justice			Χ	Fire			
<b>Green Practices</b>		Green-specific		Context-dependent		Х	Does not apply		

## **Criminal Justice Course 1. The American Criminal Justice System**

**Description:** Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

Outcome	4.1.	4.1. Basic First Aid: Demonstrate skills in basic first aid, cardiopulmonary						
		resuscitation (CPR), and use of Automated External Defibrillation (AED).						
Competencies	4.1.	4.1.1. Identify the duties of a public safety official to provide emergency medical						
		care.						
	4.1.	4.1.2. Obtain certification in basic first aid.						
	4.1.	3. Obtain certification in CPR/AED.						
Pathways	Х	Criminal Justice X Fire						
<b>Green Practices</b>		Green-specific Context-dependent X Does not apply						

Outcome	8.1.	Evolution and Fo	ound	ations: Descril	oe th	e histor	v of t	he American criminal	
			justice system from its origins to modern day practice.						
Competencies	8.1.	Describe the his	Describe the historical evolution of law enforcement from its early English						
		origins and early	/ Ame	erican develop	mer	it to its i	mode	rn structure and	
		technological ad	lvanc	ements.					
	8.1.	2. Describe the his	torica	al developmer	nt of	the corr	ectio	nal system from early	
		European influe	European influences to modern practice.						
	8.1.	3. Describe the infl	Describe the influence of early Roman law, early English law, and common						
		law on the deve	law on the development of the American criminal justice system.						
	8.1.	4. Explain the inter	Explain the interaction of law enforcement, courts, and correction from the						
		systems level to	systems level to the personnel level in criminal justice and juvenile justice.						
	8.1.	5. Explain the cond	Explain the concept of discretion and describe the discretion allowed to law						
		enforcement, co	enforcement, courts, and corrections personnel in criminal justice.						
Pathways	Х	Criminal Justice				Fire			
<b>Green Practices</b>		Green-specific		Context-dep	pendent X Do			Does not apply	

Outcome	8.7. Behavioral Science: Describe the psychological and sociological theories of
	criminal behavior.
Competencies	8.7.1. Evaluate the role that personal values, resources, mental health, substance
	abuse, and disabilities play in conflict.
	8.7.2. Compare and contrast theories of criminal behavior (e.g., determinism
	[biological, psychological, and sociological foundations], free will [a person
	chooses to act]).
	8.7.3. Examine crime trends using data from the Uniform Crime Report or National
	Victimization Survey.
	8.7.4. Describe the sociological and psychological impact on the community of
	crimes against people and property.
	8.7.5. Explain the relationship of substance abuse to criminal behavior and its
	effect on communities and the criminal justice system.
	8.7.6. Critique the concept of victimless crime and draw conclusions on its societal
	impact.
	8.7.7. Describe the sociological and psychological factors that contribute to gang

		culture (e.g., geography).  8.7.8. Evaluate and draw conclusions on the impact of crime on victims and perpetrators using the concept of victimology and restorative justice.  8.7.9. Explain the use of forensic psychology and criminal profiling in criminal								
	justice.									
Pathways	Х	Criminal Justice	ninal Justice				Fire			
<b>Green Practices</b>		Green-specific		Context-dependent		Х	Does not apply			

Outcome	0.0	Criminal Law: Analyze and apply concepts of criminal law, procedure, and								
Outcome	8.9.	individual rights to the criminal justice system.								
	0.0.4	·								
Competencies	8.9.1	Compare and contrast offenses, burden of proof, and penalties in the civil,								
		criminal, and juvenile justice systems.								
	8.9.2	. Compare and contrast constitutional and statutory law and the impact of								
		each on search and seizure, due process, and rules of evidence (e.g.,								
		exclusionary rule).								
	8.9.3	Explain powers of arrest and detainment.								
	8.9.4	. Describe the elements of criminal offenses listed in the Ohio Revised Code								
		(ORC) and how culpable mental states apply to each offense.								
	8.9.5	Describe the legal procedures to conduct a line-up.								
	8.9.6	5. Describe the legal distinction between interviewing a subject not in custody								
		and interrogating a suspect in custody and the application of the Miranda								
		warning.								
	8.9.7	'. Identify the requirements prescribed by law to interview juveniles.								
	8.9.8	Describe the stages for processing a suspect from arrest to final case								
		disposition in the adult and juvenile court system.								
	8.9.9	. Differentiate between traffic, misdemeanor, and felony offenses and								
		penalties.								
	8.9.1	O. Explain the legal standard and admissibility of a dying declaration.								
	8.9.1	1. Explain issues of legal admissibility in presenting evidence and testifying.								
	8.9.1	8.9.12. Explain affirmative defenses.								
		3. Describe and differentiate between jurisdiction and legal authority in law								
	enforcement and private security operations.									
	8.9.1	4. Describe the impact of local, state, and federal laws on private security								
		operations.								
Pathways	Χ	Criminal Justice Fire								
<b>Green Practices</b>		Green-specific Context-dependent X Does not apply								

Outcome	8.10. Court Systems: Summarize court systems, personnel, and processes and how						
	cases move through the criminal justice system.						
Competencies	8.10.1. Describe the role of judges, prosecutors, special prosecutors, defense						
	attorneys, and public defenders in criminal proceedings, how they are						
	appointed, and the relationships among them.						
	8.10.2. Describe the role and rights of defendants in criminal proceedings and their						
	relationship to other court entities.						
	8.10.3. Describe the rights and responsibilities of victims in all phases of the						
	criminal justice system.						
	8.10.4. Identify and explain court and community based services that support						

	victims of crime.									
	8.10.	5. Explain the concept of	Explain the concept of restorative justice.							
	8.10.	6. Describe the respons	escribe the responsibilities of a jury and how it is selected.							
	8.10.	<ol><li>Describe the method indigent defendant.</li></ol>	the methods for court appointment of a defense attorney for an defendant.							
	8.10.	8. Describe and demonstrate the role and appropriate behavior of law								
		enforcement agents	as w	itnesses in	crim	inal pr	ocee	edings and their		
		relationships to others involved.								
	8.10.	8.10.9. Explain the administrative structure of a court and the roles and								
		relationships of supp	ort p	personnel (	e.g.,	record	ers,	clerks, bailiffs).		
	8.10.10. Describe the use and purpose of bail/bond for releasing defendants prior to							asing defendants prior to		
	trial.									
	8.10.	11. Describe the process	and	reasons fo	r bir	iding a	juve	nile over to the adult		
	criminal court for trial.									
	8.10.12. Compare and contrast the jurisdiction of local, state, and federal courts.									
	8.10.	13. Explain the procedure	es n	ecessary fo	r ob	taining	arre	est and search warrants.		
Pathways	Χ	Criminal Justice				Fire				
<b>Green Practices</b>		Green-specific		Context-dependent X Does not ap				Does not apply		

Outcome	8.11. Sentencing: Summarize procedures and legal guidelines for criminal sentencing							
	and other case dispositions and apply those in the criminal justice system.							
Competencies	8.11.1	<ol> <li>Differentiate between div</li> </ol>	ersic	n, jail, prison	ı, pro	bation,	pard	ole, and
		community corrections in	loca	, state, and f	fedei	al juriso	dictio	ons.
	8.11.2	2. Describe sentencing guide	lines	for criminal	con	victions	(e.g.	, Truth in
		Sentencing laws, mandato	ry m	inimum sent	tence	es, Thre	e Str	ikes laws, capital
		punishment).						
	8.11.3	3. Describe the role of victim	imp	act statemer	nts ir	senter	cing	•
	8.11.4	3.11.4. Differentiate between determinate and indeterminate sentencing.						
	8.11.5	11.5. Describe the positive and negative effects of plea bargaining and factors that						
		influence it.						
	8.11.6	5. Analyze disparities in sent	enci	ng based on i	race,	gender	, reli	gion, and sexual
		orientation.						
	8.11.7	7. Compare and contrast cor	recti	onal ideologi	ies (e	e.g., ret	ribut	ion, deterrence,
		incapacitation, rehabilitat	ion).					
	8.11.8	3. Describe the levels of prol	oatio	n and the fur	nctic	ns of th	e pr	obation officer at
		each level.						
	8.11.9	9. Describe community base	d res	ources suppo	ortin	g comn	nunit	y based
		correctional programs.						
	8.11.1	10. Describe the concept and	purp	ose of restor	rativ	e justice	<u>.</u>	
Pathways	Х	Criminal Justice	<u> </u>			Fire		
<b>Green Practices</b>		Green-specific		Context-de	pend	lent	Х	Does not apply

Outcome	1.1.	REQUIRED Employability Skills: Develop career awareness and employability skills (e.g., face-to-face, online) needed for gaining and maintaining
		employment in diverse business settings.
<b>Competencies</b> 1.1.1. Identify the knowledge, skills, and abilities necessary to su		Identify the knowledge, skills, and abilities necessary to succeed in careers.
	1.1.2.	Identify the scope of career opportunities and the requirements for

	education, training, certification, licensure, and experience.									
	1.1.3.	Develop a career plar	Develop a career plan that reflects career interests, pathways, and secondary							
		and postsecondary of	and postsecondary options.							
	1.1.4.	Describe the role and	l func	tion of	professional organ	izatio	ons, industry			
		· · · · · · · · · · · · · · · · · · ·	associations, and organized labor and use networking techniques to develop and maintain professional relationships.							
	1.1.5.		Develop strategies for self-promotion in the hiring process (e.g., filling out job applications, résumé writing, interviewing skills, portfolio development).							
	1.1.6.	1			•					
		demonstrate associated behaviors in fulfilling personal, community, and workplace roles.								
	1.1.7.	·								
		making decisions and formulating solutions.								
	1.1.8.	. Identify the correlation between emotions, behavior, and appearance and								
		manage those to esta			•					
		Give and receive cons			•					
		). Adapt personal copin	_			•				
	1.1.11	. Recognize different c			fs and practices in t	the w	orkplace and			
		demonstrate respect					_			
	1.1.12	2. Identify healthy lifest	•		luce the risk of chro	onic c	lisease, unsafe			
		habits, and abusive b	ehavi	or.						
Pathways	Х	Pathway 1		X	Pathway 2					
	Х	Pathway 3		X	Pathway 4					
<b>Green Practices</b>		Green-specific	Х	Conte	xt-dependent		Does not apply			

Outcome	1.2. REQUIRED Leadership and Communications: Process, maintain, evaluate, and							
	disseminate information in a business. Develop leadership and team building to							
	promote collaboration.							
Competencies	1.2.1. Extract relevant, valid information from materials and cite sources of							
	information.							
	1.2.2. Deliver formal and informal presentations.							
	1.2.3. Identify and use verbal, nonverbal, and active listening skills to communicate							
	effectively.							
	1.2.4. Use negotiation and conflict-resolution skills to reach solutions.							
	1.2.5. Communicate information (e.g., directions, ideas, vision, workplace							
	expectations) for an intended audience and purpose.							
	1.2.6. Use proper grammar and expression in all aspects of communication.							
	1.2.7. Use problem-solving and consensus-building techniques to draw conclusions							
	and determine next steps.							
	1.2.8. Identify the strengths, weaknesses, and characteristics of leadership styles							
	that influence internal and external workplace relationships.							
	1.2.9. Identify advantages and disadvantages involving digital and/or electronic							
	communications (e.g., common content for large audience, control of tone,							
	speed, cost, lack of non-verbal cues, potential for forwarding information,							
	longevity).							
	1.2.10. Use interpersonal skills to provide group leadership, promote collaboration,							
	and work in a team.							

	1.2.1	1.2.11. Write professional correspondence, documents, job applications, and						
		résumés.						
	1.2.1	1.2.12. Use technical writing skills to complete forms and create reports.						
	1.2.13. Identify stakeholders and solicit their opinions.							
	1.2.1	1.2.14. Use motivational strategies to accomplish goals.						
Pathways	Χ	Pathway 1		Х	Pathway 2			
	Х	Pathway 3	Х	Pathway 4				
<b>Green Practices</b>		Green-specific	Χ	Context-dependent			Does not apply	

Outcome	1.3.	REQUIRED Business Ethics and Law: Analyze how professional, ethical, and							
Outcome	1.5.	legal behavior contributes to continuous improvement in organizational							
		performance and regulatory compliance.							
Competencies	1.3.								
Competences	1.5.	organizational performance.							
	1.3.	•							
		healthy work environment.							
	1.3.	3. Use ethical character traits consistent with workplace standards (e.g.,							
		honesty, personal integrity, compassion, justice).							
	1.3.	4. Identify how federal and state consumer protection laws affect products and services.							
	1.3.								
	1.5.	information, safety data sheets [SDSs], product safety data sheets [PSDSs],							
		U.S. Environmental Protection Agency [EPA], United States Occupational							
		Safety and Health Administration [OSHA]) that contribute to the continuous							
		improvement of the organization.							
	1.3.								
		door-to-door sales, deceptive service estimates, fraudulent							
		misrepresentations) and their overall impact on organizational performance.							
	1.3.	,							
		noncompliance for both employee and employer (e.g., harassment, labor,							
		employment, employment interview, testing, minor labor laws, Americans							
		with Disabilities Act, Fair Labor Standards Acts, Equal Employment							
	4.2	Opportunity Commission).							
	1.3.								
	and regulations.  1.3.9. Identify potential conflicts of interest (e.g., personal gain, project bidding)								
	1.5.	9. Identify potential conflicts of interest (e.g., personal gain, project bidding) between personal, organizational, and professional ethical standards.							
Pathways	Χ	Pathway 1 X Pathway 2							
· attitudyo	Х	Pathway 3 X Pathway 4							
<b>Green Practices</b>		Green-specific X Context-dependent Does not apply							

Outcome	1.4. REQUIRED Knowledge Management and Information Technology: Demonstrate						
	current and emerging strategies and technologies used to collect, analyze,						
	record, and share information in business operations.						
Competencies	1.4.1. Use office equipment to communicate (e.g., phone, radio equipment, fax						
	machine, scanner, public address systems).						
	1.4.2. Select and use software applications to locate, record, analyze, and present						

		information (e.g., word processing, electronic mail, spreadsheet, databases,							
		presentation, Internet	presentation, Internet search engines).						
	1.4.	<ol><li>Verify compliance with</li></ol>	Verify compliance with security rules, regulations, and codes (e.g., property,						
		privacy, access, accura	cy iss	sues, c	lient and patient re	cord	confidentiality)		
		pertaining to technolog	pertaining to technology specific to industry pathway.						
	1.4.	<ol><li>Use system hardware t</li></ol>	Use system hardware to support software applications.						
	1.4.	5. Use information technology	Use information technology tools to maintain, secure, and monitor business						
		records.	records.						
	1.4.	<ol><li>Use electronic databas</li></ol>	Use electronic database to access and create business and technical						
		information.	information.						
	1.4.	7. Use personal informati	. Use personal information management and productivity applications to						
		optimize assigned tasks (e.g., lists, calendars, address books).							
	1.4.	8. Use electronic media to	. Use electronic media to communicate and follow network etiquette						
		guidelines.							
Pathways	Χ	Pathway 1		Х	Pathway 2				
	Χ	Pathway 3	athway 3						
<b>Green Practices</b>		Green-specific	Х	Conte	xt-dependent		Does not apply		

Outcome	1.5. REQUIRED Global Environment: Evaluate how beliefs, values, attitudes, and									
	behaviors influence organizational strategies and goals.									
Competencies	1.5.	<ol> <li>Describe how cultural</li> </ol>	und	erstar	١d	ing, cultural intellig	gence	skills, and		
		continual awareness a	are ir	nterde	p	endent.				
	1.5.	<ol><li>Describe how cultural</li></ol>	l inte	lligen	ce	skills influence the	ove	rall success and		
		survival of an organiza	ation							
	1.5.	<ol><li>Use cultural intelligen</li></ol>	ice to	inter	ac	ct with individuals f	rom	diverse cultural		
		settings.								
	1.5.	4. Recognize barriers in	cross	-cultu	ıra	al relationships and	imp	lement behavioral		
		adjustments.								
	1.5.	,			S	and discrimination	may	influence		
		productivity and profi	itabil	ity.						
	1.5.	<ol><li>Analyze work tasks fo</li></ol>	r und	dersta	n	ding and interpreta	tion	from a different		
		cultural perspective.								
	1.5.	<ol><li>Use intercultural com</li></ol>	mun	icatio	n :	skills to exchange id	deas	and create		
		meaning.								
	1.5.	,				-		·		
		of new and improved	proc	lucts a	an	d services and reco	gniti	on of new		
		opportunities.								
Pathways	Х	Pathway 1		X		Pathway 2				
	Χ	Pathway 3		X		Pathway 4				
<b>Green Practices</b>		Green-specific	Х	Con	te	xt-dependent		Does not apply		

Outcome	1.6. REQUIRED Business Literacy: Develop foundational skills and knowledge in					
	entrepreneurship, financial literacy, and business operations.					
Competencies	1.6.1. Identify business opportunities.					
	1.6.2. Assess the reality of becoming an entrepreneur, including advantages and					
	disadvantages (e.g., risk vs. reward, reasons for success and failure).					
	1.6.3. Explain the importance of planning your business.					

	1.6.4	I. Identify types of busing	Identify types of businesses, ownership, and entities (i.e., individual								
			proprietorships, partnerships, corporations, cooperatives, public, private,								
		profit, not-for-profit).	profit, not-for-profit).								
	1.6.5	<ol><li>Describe organization</li></ol>	ıal stı	ructure	e, chain of comman	nd, the roles and					
		responsibilities of the	orga	nizatio	onal departments,	and interdepartmental					
		interactions.									
	1.6.6	, ,				on, the niche that the					
		organization fills, and	outl	ook of	the industry.						
	1.6.7	'. Identify the effect of s	Identify the effect of supply and demand on products and services.								
	1.6.8	<ol><li>Identify the features a</li></ol>	Identify the features and benefits that make an organization's product or								
		service competitive.									
	1.6.9	<ol><li>Explain how the perfo</li></ol>	Explain how the performance of an employee, a department, and an								
		organization is assess	ed.								
	1.6.1	.0. Describe the impact o	of glo	balizat	ion on an enterpris	ise or organization.					
	1.6.1	.1. Describe how all busing	ness	activiti	es of an organizati	ion work within the					
		parameters of a budg	et.								
	1.6.1	.2. Describe classification	ns of	emplo	yee benefits, rights	s, deductions, and					
		compensations.									
Pathways	Х	Pathway 1		Х	Pathway 2						
	Х	Pathway 3		Х	X Pathway 4						
<b>Green Practices</b>		Green-specific	Χ	Cont	Does not apply						

Outcome	1.9.	REQUIRED Financial N	REQUIRED Financial Management: Use financial tools, strategies, and							
		systems to develop, n	systems to develop, monitor, and control the use of financial resources to							
		ensure personal and I	ousin	ess fin	ancial well-being.					
Competencies	1.9.1	Create, analyze, and i	nterp	oret fin	ancial documents (	e.g., k	oudgets, income			
		statements).								
	1.9.2	. Identify tax obligation	ıs							
	1.9.3	8. Review and summariz	e sav	vings, i	nvestment strategie	es, an	d purchasing			
		options (e.g., cash, lea	ase, f	inance	, stocks, bonds).					
	1.9.4	. Identify credit types a	nd th	neir us	es in order to estab	lish c	redit.			
	1.9.5	. Identify ways to avoid	Identify ways to avoid or correct debt problems.							
	1.9.6	<ol><li>Explain how credit rat</li></ol>	Explain how credit ratings and the criteria lenders use to evaluate repayment							
		capacity affect access	capacity affect access to loans.							
	1.9.7	<ol><li>Review and summarize</li></ol>	e cat	tegorie	s (types) of insuran	ce an	d identify how			
		insurances can reduce	e fina	ncial r	sk.					
	1.9.8	<ol><li>Identify income source</li></ol>	es ar	nd expe	enditures.					
	1.9.9	<ol> <li>Compare and contras</li> </ol>	t diff	erent k	anking services ava	ailable	e through financial			
		institutions.								
	1.9.1	.0. Identify the role of de	prec	iation i	n tax planning and	liabili	ty.			
Pathways	Χ	Pathway 1		X	Pathway 2					
	Χ	Pathway 3		X Pathway 4						
<b>Green Practices</b>		Green-specific	Х	Conte	ext-dependent		Does not apply			

# Criminal Justice Course 2. Police Work and Practice in Public Safety

**Description:** Law Enforcement provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony.

Outcome	2 2	911 Telecommunication System: Process calls for assistance and dispatch first
Outcome	0.0.	responders according to protocol.
Competencies	8.8.	· · · · · · · · · · · · · · · · · · ·
Competences	0.0.	maintaining safety.
	8.8.	,
	8.8.	
	0.0.	service telecommunicator (e.g., Federal Communications Commission [FCC]
		requirements; Title 18, U. S. Code; National Fire Protection Association
		[NFPA] 1221).
	8.8.	
		911 telecommunication centers.
	8.8.	5. Manage and prioritize incoming calls for service and recognize calls that
		require supervisor notification.
	8.8.	6. Communicate concisely with callers based on the situation and the needs of
		the caller.
	8.8.	, , ,
		callers (e.g., hysterical, suicidal, mental or physical disability).
	8.8.	,
		immediate danger following guides and protocols.
		9. Differentiate between call transfer and call referral.
		10. Document calls for service.
	8.8.	11. Use radio dispatching techniques and procedures to process a request for
	0.0	emergency services.
	0.8.	12. Use call processing guidelines for law enforcement, fire, and emergency medical service when dispatching.
	22	13. Use law enforcement, fire, and emergency medical service terminology.
		14. Use geographical information system (GIS) and geographical positioning
	0.0.	system (GPS) technology in emergency response operations.
Pathways	Х	Criminal Justice X Fire
Green Practices		Green-specific Context-dependent X Does not apply
		The state of the s

Outcome	8.2.	Use of Force: Apply the use of force continuum to control subjects and				
		situations and maintain safety for all involved.				
Competencies	8.2.1.	Explain the continuum of force from less lethal to lethal.				
	8.2.2.	Apply techniques for unarmed self-defense.				
	8.2.3.	Describe the types of less lethal weapons and explain safe procedures for				
		handling, maintaining, and use.				
	8.2.4.	Control subjects using less lethal weapons.				
	8.2.5.	Approach subjects in a safe manner.				
	8.2.6.	Identify verbal and nonverbal signs of aggression and de-escalate the				
		situation.				

	8.2.	<ol><li>Control subjects</li></ol>	emp	loying basic h	and {	grasp sti	rategi	ies, blocks, and releases.	
	8.2.	8.2.8. Pat down subjects following gender-specific procedures.							
	8.2.	8.2.9. Restrain the hands and arms of subjects.							
	8.2.	8.2.10. Describe the different types of firearms encountered in law enforcement.							
	8.2.11. Handle simulated firearms using firearm safety techniques.								
	8.2.	8.2.12. State the guidelines and restrictions(e.g., situations, levels of force, use of							
		equipment) imposed by federal and state governments related to the use of							
	deadly force.								
	8.2.13. Describe the psychological impact of using deadly force and the symptoms of								
	that impact.								
	8.2.	14. Describe the role	es lav	w enforcemen	t offi	icers pla	y in c	ritical incident stress	
		debriefing.				•	•		
	8.2.	•	liabi	lities associate	ed w	ith provi	iding	medical assistance after	
		the use of force.				•	Ü		
Pathways	Х	Criminal Justice				Fire			
Green Practices		Green-specific		Context-dep	ende	ent	Χ	Does not apply	

Outcome	8.3.	Traffic Procedures	: Enf	orce traffic lav	vs to	respond	d to t	raffic-related offenses,	
		control traffic, and investigate accidents.							
Competencies	8.3.	<ol> <li>Describe laws th</li> </ol>	. Describe laws that address emergency vehicle operation.						
	8.3.	2. Complete a prep	oatro	l examination	of ve	hicle an	d eq	uipment.	
	8.3.	3. Complete a unif	orm	traffic citation	for a	traffic v	violat	tion.	
	8.3.	4. Control vehicle a	and p	edestrian traf	fic us	sing crui	ser p	osition, cones, flares,	
		flashlights.							
	8.3.	8.3.5. Identify traffic offenses using speed monitoring devices, sensory observation,							
	and field sobriety tests.								
	8.3.	8.3.6. Respond to, investigate, and document a motor vehicle crash.							
	8.3.	7. Investigate a vel	hicle	crash using co	mpu	tations (	of ski	d length, speed, impact	
		angles, weather	, and	surface condi	tion	coefficie	ents t	o determine the cause.	
	8.3.	8. Conduct vehicle	stop	s for traffic vio	olatio	ns, misc	deme	anors, and felonies.	
	8.3.	9. Describe when t	o ini	tiate and term	inate	pursuit	s bas	sed on legal and liability	
		issues.							
	8.3.	10. Describe contro	l and	maneuverabi	lity te	echnique	es foi	different speeds and	
		tactics.							
Pathways	Х	Criminal Justice				Fire			
<b>Green Practices</b>		Green-specific		Context-dep	ende	ent	Χ	Does not apply	

Outcome	8.4. Patrols: Conduct patrols to prevent, detect, and respond to crime and
	emergencies.
Competencies	8.4.1. Describe the types of patrol and their functions (e.g., preventive, directed,
	crime mapping, aggressive).
	8.4.2. Follow relevant law and department protocol for using communication
	equipment.
	8.4.3. Maintain situational awareness to identify unusual or abnormal conditions in
	the environment and in people.
	8.4.4. Interact with citizens or subjects to acquire information.
	8.4.5. Respond to requests for service based on the type of call.

	8.4.	6. Identify and inte	erpret	t gang identifi	ers.			
	8.4.	7. Identify the phys	Identify the physical signs, symptoms, and paraphernalia of drug use.					
	8.4.	8. Manage people	Manage people in crisis (e.g., individuals with mental and physical					
	disabilities).							
	8.4.	9. Control crowds using environmental factors, tools, and techniques to						
		maintain order.						
	8.4.10. Describe procedures for maintaining security and safety when arresting,							
		processing, hand	dling,	and transport	ting priso	ners.		
Pathways	Х	Criminal Justice	riminal Justice			9		
<b>Green Practices</b>		Green-specific		Context-dep	endent	X	Does not apply	

Outcome	8.5. Surveillance and Detection: Describe and use surveillance and detection tools
	to deter, detect, and investigate crime.
Competencies	8.5.1. Summarize the types of surveillance tools available to law enforcement,
	security, and public safety personnel (i.e., video surveillance equipment,
	environmental surveillance equipment).
	8.5.2. Identify the legal issues involved in conducting surveillance of individuals and
	suspects.
	8.5.3. Conduct surveillance of a subject or area to deter or detect crime.
	8.5.4. Document a surveillance operation for use as evidence.
	8.5.5. Analyze the legal issues in using surveillance techniques and tools.
Pathways	X Criminal Justice X Fire
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply

Outcome	8.6.	8.6. Crime Prevention: Assist the community in preventing crime using the concepts						
		of deter, delay, detect, and deny.						
Competencies	8.6.2	8.6.1. Collaborate with the community on education initiatives to prevent crime						
		and reduce family violence.						
	8.6.2	8.6.2. Conduct a risk assessment/security survey to identify potential						
		vulnerabilities.						
	8.6.3	B. Educate the community on using environmental design (e.g., shrubbery,						
		barrier, lock systems, lighting) to mitigate vulnerabilities.						
	8.6.4	.6.4. Recommend surveillance and detection systems based on benefits and						
		advantages of e	ach.					
Pathways	Х	Criminal Justice				Fire		
<b>Green Practices</b>		Green-specific		Context-dependent		ent	Х	Does not apply

## **Criminal Justice Course 3. Security and Protective Services**

**Description:** Security Services provides the knowledge and skills necessary to prepare for certification in security services. The course provides an overview of security elements and types of organizations with a focus on security measures used to protect lives, property, and proprietary information.

	2.1. Professional Private and Corporate Security: Describe basic skills and							
	knowledge necessary for the professional private and corporate security							
	officer.							
	2.1.1. Describe the primary focus of private security.							
	2.1.2. Describe the role, positions, and scope of corporate, private, contract, and							
	proprietary security and how they differ from law enforcement.							
	2.1.3. Describe the liability of private security officers (e.g., negligence, vicarious).							
	.1.4. Explain the powers of detainment of a private security officer.							
	2.1.5. Apply the exclusionary rule to private security officers.							
	2.1.6. Describe the purpose of physical security and the function of security							
	officers in creating it.							
	2.1.7. Describe how the approach of private security differs from law enforcement							
	in crime prevention.							
	2.1.8. Describe the private security officer's duty in fire prevention, occupational							
	safety, and accident prevention.							
	2.1.9. Describe the role of corporate security in executive protection.							
	2.1.10. Describe the role of corporate security in maintaining workplace safety.							
Pathways	X Criminal Justice Fire							
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply							

Outcome	2.2. Information and Product Security: Describe the role of corporate security in								
	maintaining corporate computer security, protecting proprietary information								
	and trade secrets, and preventing counterfeiting.								
Competencies	2.2.1. Describe hacking and the impact of illegal entry into corporate computer systems and networks.								
	2.2.2. Describe methods used to gain illegal entry into corporate computer systems and networks.								
	2.2.3. Describe how corporate security investigates computer viruses, Trojan horses, and phishing e-mails.								
	2.2.4. Describe tools corporate security can use to protect electronic data, e-commerce, and websites (e.g., cryptography, firewalls, passwords, random number passwords, intrusion detection systems).								
	<ul><li>2.2.5. Describe proprietary information and trade secrets.</li><li>2.2.6. Describe corporate espionage.</li></ul>								
	2.2.7. Describe how corporate security protects proprietary information and trade secrets.								
	2.2.8. Investigate the theft of proprietary information and trade secrets.								
	2.2.9. Identify potential consequences of corporate espionage (e.g., civil, criminal prosecution).								
	2.2.10. Describe counterfeit products and product diversion methods used by counterfeiters.								

	2.2	2.2.11. Describe how corporate security can prevent or reduce counterfeiting and						
		product diversion.						
	2.2	2.2.12. Investigate counterfeiting and product diversion.						
	2.2.13. Identify potential consequences of counterfeiting and product diversion							
	(e.g., civil, criminal prosecution).							
Pathways	Χ	X Criminal Justice Fire						
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Х	Does not apply

	_									
Outcome		2.3. Fraud: Prevent and investigate fraud.								
Competencies	2.3	2.3.1. Analyze the different types of health care fraud (e.g., false billing/claims,								
		kickbacks, bribery, Qui Tam matters, denial of service, overcharges).								
	2.3	2.3.2. Describe the impact of health care fraud and the extent of its impact on the								
		economy.								
	2.3	3.3. Investigate fraud.								
	2.3	3.4. Identify potential resolutions for health care fraud (e.g., civil, criminal prosecution).								
	2.3	3.5. Analyze the different types of insurance fraud (e.g., car, home, padding,								
		false claims, kickbacks, overestimation, agent).								
	2.3	3.6. Describe the impact of insurance fraud and the extent of its impact on the								
		economy.								
	2.3	2.3.7. Describe the role of corporate and private security in investigating insurance								
		fraud.								
	2.3	.3.8. Identify databases and clearinghouses used to assist in fraud investigations.								
	2.3	3.9. Identify potential resolutions for insurance fraud (e.g., civil, criminal								
		prosecution).								
	2.3	3.10. Describe the role and use of a private investigator in health care and								
		insurance fraud.								
	2.3	3.11. Investigate credit card fraud and identity theft.								
	2.3	3.12. Describe the impact of credit card fraud on business and the economy.								
	2.3	3.13. Describe the role of corporate security in investigating credit card fraud and								
		identity theft.								
	2.3	3.14. Describe investigation of credit card fraud and identity theft.								
	2.3	3.15. Describe methods corporations use to mitigate and prevent credit card								
		fraud and identity theft.								
	2.3	3.16. Identify potential resolutions for credit card fraud and identity theft (e.g.,								
		civil, criminal prosecution).								
Pathways	Χ	Criminal Justice Fire								
<b>Green Practices</b>		Green-specific Context-dependent X Does not apply								

Outcome	2.4. Retail Loss Prevention: Describe retail loss prevention.							
Competencies	<ul> <li>2.4.1. Identify the types of stock loss (e.g., theft, write-offs, markdowns, invoice shortages).</li> <li>2.4.2. Describe the impact of employee theft and customer theft on company profit.</li> <li>2.4.3. Describe proactive techniques to reduce employee and customer theft.</li> </ul>							
	2.4.4. Investigate stock loss.							
Pathways	X Criminal Justice Fire							

<b>Green Practices</b>		Green-specific		Context-dep	ende	nt	Χ	Does not apply	
		•		,				, , ,	
Outcome	2.5	. Physical Security a	nd T	hreat Assessn	nent:	Describ	e tec	hniques used by	
		corporate security to conduct physical security and threat assessment in a							
		global business environment.							
Competencies	2.5	• • • • • • • • • • • • • • • • • • • •	-			-		urces of risk intelligence.	
	2.5	.2. Conduct a secu	rity a	ınd vulnerabil	lity as	sessme	nt.		
	2.5		le of	corporate se	curity	in com	pany	crisis management	
		plans.							
	2.5			•		n execu	tive	protection (e.g., travel	
		risk assessment		_	-				
	2.5	2.5.5. Describe the role of corporate security in protection of physical assets,							
	_ [	property sites, logistics, and transportation.  2.5.6. Describe electronic countermeasures and detection techniques used by							
	2.5			countermeas	ures a	ina aete	ection	i techniques used by	
	2.5	corporate secu	•	corporato co	curity	in gath	orina	information on business	
	2.5	prospects, busi			-	_	ering	, illioittiation on busiless	
Pathways	Х	Criminal Justice	11033	partiters, and	Jupp	Fire			
Green Practices		Green-specific		Context-dep	pende		Х	Does not apply	
Creen ruesies		Creen speeme		Context dep	Jenae			Docs not apply	
Outcome	2.6	. Securities Complia	nce I	nvestigations	: Des	cribe th	e role	e of corporate security in	
		2.6. Securities Compliance Investigations: Describe the role of corporate security in securities compliance investigations.							
Competencies	2.6	•				impact	on b	usiness.	
·	2.6.2. Describe conflict of interest.								
	2.6	.3. Describe misre	prese	entation, over	state	ment, a	nd no	ondisclosure	
		investigations.							
	2.6	.4. Describe hidde	n ow	nership, insid	er, ar	ıd impro	per t	trading investigations.	

2.6.5. Describe the role of corporate security in background, reputation, and

Context-dependent

Identify the sources of securities compliance regulations and policy.

Fire

Χ

Does not apply

relationship investigations.

Criminal Justice

Green-specific

Х

**Pathways** 

**Green Practices** 

### **Criminal Justice Course 4. Investigation and Forensics in Criminal Investigation**

**Description:** Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, and homicide. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science.

Outcome	7.1. Investigative Process: Investigate and document scenes, individuals, and									
	incidents.									
Competencies	7.1.1. Outline the investigative process from determination that a crime was									
	committed through evidence collection and prosecution.									
	7.1.2. Identify and provide aid to victims with minimal impact on a crime scene.									
	7.1.3. Identify and secure the crime scene, using proper chain of custody									
	procedures for evidence collection (e.g., finger prints, DNA, physical									
	evidence, witness statements).									
	7.1.4. Document the crime scene through sketches, photography, and video that	Document the crime scene through sketches, photography, and video that								
	include measurements.	include measurements.								
	7.1.5. Collect, package, tag, and preserve different types of evidence.	Collect, package, tag, and preserve different types of evidence.								
	7.1.6. Identify, locate, and apprehend a suspect.	Identify, locate, and apprehend a suspect.								
	7.1.7. Apply the legal standard of evidentiary chain of custody for collection,	Apply the legal standard of evidentiary chain of custody for collection,								
	securing, transporting, storing, releasing, and final disposition.	securing, transporting, storing, releasing, and final disposition.								
	7.1.8. Identify signs of mental and physical abuse or neglect of children and adults	Identify signs of mental and physical abuse or neglect of children and adults								
	and report as mandated by law.									
	7.1.9. Describe the role and function of the coroner and medical examiner in									
	investigations.									
Pathways	X Criminal Justice Fire									
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply									

Outcome	7.2.	7.2. Interviews and Interrogations: Gather and analyze verbal and nonverbal						
		information to investigate a crime.						
Competencies	7.2.	7.2.1. Distinguish facts from fiction through listening and observing the subject's						
		body language, eye movement, voice tone, and inflection.						
	7.2.	7.2.2. Interpret a subject's responses using kinesics.						
	7.2.	7.2.3. Assist witnesses in enhancing their memory.						
	7.2.	7.2.4. Select and use different interrogation styles based on subject characteristics						
		and behavior.						•
	7.2.	7.2.5. Describe the impact of location and environment on information obtained.						information obtained.
	7.2.	7.2.6. Explain why individuals make false confessions.						
Pathways	Х	Criminal Justice				Fire		
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Х	Does not apply

Outcome	7.3. Drugs and Toxicology: Describe the types of drug and toxicology evidence and
	identify the methods used for collection and analysis.
Competencies	7.3.1. Identify controlled substances in different forms.

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	7.3.	7.3.2. Describe field drug testing and lab drug testing procedures.							
	7.3.	3. Explain how fals	Explain how false positives occur.						
	7.3.	4. Investigate cont	. Investigate controlled substances, their ingredients, and associated crime						
		scenes without causing harm or injury.							
	7.3.	7.3.5. Describe the methods and legal issues of drug testing suspects and arrestees.							
	7.3.	7.3.6. Prepare forensic toxicology reports for criminal proceedings.							
Pathways	Χ	Criminal Justice	riminal Justice Fire						
<b>Green Practices</b>		Green-specific	•	Context-de	pende	nt	Х	Does not apply	

Outcome	7.4. Blood and Fingerprints: Describe the collection, evaluation, and legal						
	admissibility of blood and fingerprint evidence.						
Competencies	7.4.1. Describe the characteristics of blood evidence (e.g., spatter, pooling,						
	location) as they relate to a crime scene.						
	7.4.2. Locate unseen blood evidence at crime scenes.						
	7.4.3. Prepare blood evidence for criminal proceedings.						
	7.4.4. Describe the classification characteristics of fingerprints, palmprints, and						
	footprints used in criminal investigations.						
	7.4.5. Collect, develop, and preserve latent prints.						
	7.4.6. Compare latent prints with prints on file to identify suspects.						
	7.4.7. Collect and analyze fingerprints using Automated Fingerprint Information						
	Systems (AFIS), Web check, and other technology systems.						
	7.4.8. Prepare latent print analysis for criminal proceedings.						
Pathways	X Criminal Justice Fire						
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply						

Outcome	7.5.	7.5. Financial Crimes: Describe financial crimes and investigation methods.							
Competencies	7.5.1	7.5.1. Describe the types of financial crimes.							
	7.5.2	2. Identify commo	dentify common frauds and their targeted populations (e.g., counterfeiting,						
		identify theft, so	identify theft, scams, e-mail and telephone fraud).						
	7.5.3	3. Investigate mon	Investigate money laundering operations and the types of crimes it is used to						
		cover up.	cover up.						
	7.5.4	<ol> <li>Interpret financi</li> </ol>	Interpret financial records using forensic accounting investigative techniques						
		to determine if a	to determine if a crime has occurred.						
	7.5.5	5. Explain the use of	Explain the use of financial forfeitures in criminal cases.						
	7.5.6	5.6. Use financial records in criminal proceedings.							
Pathways	Х	Criminal Justice			Fire				
<b>Green Practices</b>		Green-specific		Context-de	pendent	Х	Does not apply		

Outcome	7.6. Forensic Science: Describe the history and role of the crime laboratory in
	analyzing forensic evidence and the conclusions that can be drawn through
	evidence analysis.
Competencies	7.6.1. Describe the role of forensic science in solving crimes and providing evidence
	in criminal cases.
	7.6.2. Describe the historical development of forensic techniques in use (e.g.,
	fingerprint analysis, deoxyribonucleic acid [DNA] analysis).
	7.6.3. Interpret and summarize statistics and probability evidence.
	7.6.4. Identify the possible range of forensic science evidence and data.

	7.6.	7.6.5. Draw conclusions from evidence and data.						
	7.6.	6. Describe the role	Describe the role of statistical probability in lab results.					
Pathways	Χ	Criminal Justice	iminal Justice			Fire		
<b>Green Practices</b>		Green-specific	Context-dependent X Does not apply				Does not apply	

Outcome	7.7. Forensic Science Specialties and evidence: Describe the scientific specialties								
	utilized to analyze forensic evidence in criminal investigations.								
Competencies	7.7.1. Describe forensic anthropology, ballistics, entomology, odontology,								
	pathology, chemistry, and engineering and the types of evidence each								
	specialty analyzes.								
	7.7.2. Describe facsimile, plant, toolmark, impression, and digital evidence analyzed								
	in forensic investigations.								
	7.7.3. Describe the use of deoxyribonucleic acid (DNA) evidence and its analysis in								
	criminal investigations.								
	7.7.4. Identify and analyze trace evidence used in criminal investigations.								
	7.7.5. Identify evidence that should be submitted for lab analysis and the types of								
	analyses that can be performed.								
	7.7.6. Describe the collection, evaluation, and legal admissibility of forensic								
	evidence.								
Pathways	X Criminal Justice Fire								
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply								

## **Criminal Justice Course 5. The Correctional System and Services**

**Description:** In Correctional Services, students prepare for employment as a correctional officer. The student will learn the role and responsibilities of a correctional officer; discuss relevant rules, regulations, and laws; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the correctional setting. The student will analyze institutional rehabilitation and community corrections.

Outcome	3.1.	The Correctional Syste	em: Describe	the o	peratio	n of	correctional institutions			
		and the management	and the management of inmates.							
Competencies	3.1.	L. Describe minimum An	Describe minimum American Correctional Association (ACA) jail standards in							
		Ohio (e.g., standards fand release).	Ohio (e.g., standards for inmate classification, health screening, admission, and release).							
	3.1.	2. Explain the role of the	correctional	l supe	rvisor/a	admi	nistrator in addressing			
		inmate concerns, mai	inmate concerns, maintaining discipline, and creating a safe and humane							
	3.1.	B. Describe how inmate	Describe how inmate classification impacts the design of correctional							
	2 1	institutions and inmat	•		Elimina	tion /	Act (DDEA) and use of the			
	3.1.	National Inmate Surve		Tape	EIIIIIIII	LIOII	Act (PREA) and use of the			
	3.1.		•	logy i	n cocuri	na co	orrectional facilities and			
	3.1.	ensuring the safety of		<b>.</b>		iig cc	offectional facilities and			
			Stall allu illi	Hates						
Pathways	Х	Criminal Justice			Fire					
<b>Green Practices</b>		Green-specific	Context-dep	ende	nt	Χ	Does not apply			

Outcome	3.2.	3.2. Incarceration: Describe the purpose and operation of correctional								
		programming and post release programming	grams							
Competencies	3.2.1	3.2.1. Explain the legal rights of adult and juvenile inmates (e.g., due process rights								
		in case of legal and institutional rules violations).								
	3.2.2	<ol><li>Describe the psychological impac</li></ol>	t of in	carceration on inmates and their						
		families.								
	3.2.3	<ol><li>Describe the purpose of correction</li></ol>	nal p	rogramming, treatment, and therapy						
		in the juvenile and adult systems	and t	he staff involved in each (e.g.,						
		counselors, case managers, teach	iers, r	ecreation specialists).						
	3.2.4	1. Describe in-house and communit	Describe in-house and community treatment used in adult and juvenile							
		corrections.								
	3.2.5	5. Describe the purpose and princip	les of	case management in adult and						
		juvenile corrections.								
	3.2.6	<ol><li>Explain the purpose and principle</li></ol>	s of u	nit management in correctional						
		institutions.								
	3.2.7	7. Describe the role of educational,	vocat	ional, mental health, substance abuse,						
		and recreational programming in	adult	and juvenile rehabilitation.						
	3.2.8	<ol><li>Explain the importance and types</li></ol>	of vis	sitation for inmates.						
	3.2.9	9. Describe the types of release pro	grams	s (e.g., parole, halfway house,						
		rehabilitation centers) and the po	rehabilitation centers) and the postrelease needs of adult and juvenile							
		offenders.	offenders.							
Pathways	Х	Criminal Justice		Fire						

<b>Green Practices</b>		Green-specific		Context-dependent X Does not apply					
Outcome	3.3.	The Corrections Of	ficer:	Supervise in	nates	and sec	cure (	correctional facilities.	
Competencies	3.3.	3.3.1. Compare and contrast the legal obligations of corrections officers in							
		supervising adult and juvenile offenders.							
	3.3.2	2. Conduct prevent	ive pa	atrols.					
	3.3.3	3. Identify the type	s of ir	nmate counts					
	3.3.4	3.3.4. Discipline inmates for infractions.							
	3.3.	5. Identify institution	onal r	ule violations	and r	nake ap	prop	riate referrals.	
	3.3.	6. Identify prison ga	ang m	nembership a	nd ma	nage ga	angs.		
	3.3.	7. Describe the psy	cholo	gical impact o	of cor	rections	on o	fficer well-being and	
		behavior (e.g., of	fficer	misconduct).					
Pathways	Х	Criminal Justice				Fire			
<b>Green Practices</b>		Green-specific		Context-de	pende	nt	Х	Does not apply	
						•			
Outcome	3.4.	Emergency Situati	ions:	Manage inma	tes in	emerge	ency	situations.	
Compotonsias	2.4	1 Idantifumataria	la +ba	t ara camma	مري برام	ad ac fu	ol fo	r arcan in correctional	

Outcome	3.4.	Emergency Situati	ions:	Manage inm	ates i	n emerg	ency	situations.
Competencies	3.4.	3.4.1. Identify materials that are commonly used as fuel for arson in correctional						
		facilities.						
	3.4.	3.4.2. Describe common accidental fires in correctional facilities.						
	3.4.	3.4.3. Identify types of riots and inmate behavior that may predict a riot.						
	3.4.	3.4.4. Describe typical contents of a correctional facility master riot plan.						
	3.4.	5. Identify techniq	ues t	o maintain p	erson	al safety	if ta	ken hostage.
	3.4.	6. Maintain securi	ty pro	ocedures to p	rever	nt riots,	disor	ders, and escape
		attempts.						•
	3.4.	7. Describe the cri	mina	l and civil liab	oility o	of correc	tions	s officers.
Pathways	Х	Criminal Justice				Fire		
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Χ	Does not apply

Outcome	3.5. Searches: Conduct searches of inmates, cells, and living areas.								
Competencies	3.5.	<ol> <li>Describe the pur</li> </ol>	L. Describe the purpose for conducting searches of cells, living areas, inmates,						
		and visitors.							
	3.5.	5.2. Identify contraband and potential weapons and contraband.							
	3.5.	3. Describe when a	. Describe when and why an inmate, cell, or living area should be searched.						
	3.5.	4. Describe the type	Describe the types of body searches.						
	3.5.	5. Describe the lega	alitie	s of conduct	ing a s	trip sea	rch a	nd a body cavity search.	
	3.5.	6. Search an inmate	e, ce	II, and living	area.				
Pathways	Χ	Criminal Justice				Fire			
<b>Green Practices</b>		Green-specific		Context-de	pende	nt	Χ	Does not apply	

Outcome	3.6. Booking and Release: Admit, identify, classify, and release a prisoner in							
	custody.							
Competencies	3.6.1. Book a prisoner into custody.							
	3.6.2. Classify prisoners based on security risk.							
	3.6.3. Fingerprint, photograph, and collect a deoxyribonucleic acid (DNA) from a							
	prisoner.							
	3.6.4. Identify the items required by law to be given to an inmate who will be in							
	custody for more than eight hours.							

	3.6.	6. Summarize the	purp	ose for placir	ng inm	nates in	admi	nary health screening. nistrative segregation.
	3.0.	3.6.7. Identify and describe the types of bonds that can secure release from custody.						
Pathways	Х	Criminal Justice	iminal Justice			Fire		
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Х	Does not apply

Outcome	3.7. N	Aedical Issues an	d Sec	urity: Manag	e inm	ates wit	h me	dical issues and
	e	mergencies.						
Competencies	3.7.1.	Describe the im	pact	of adult and	juveni	le inma	te me	edical issues (e.g., chronic
		illness, pregnan	cy) or	n institutiona	l secu	rity.		
	3.7.2.	Compare and co	ontra	st the role of	corre	ctional f	acilit	y physician and nurse
		with the role of corrections officer.						
	3.7.3.	Describe the legal obligations of the corrections officer in providing medical						
		treatment and administering medication.						
	3.7.4.	Respond to med	dical e	emergencies	and p	rovide b	asic	first aid while using
		universal precau	utions	s and mainta	ining s	security.		
	3.7.5.	Maintain sanita	ry sta	indards to pr	event	the spre	ead o	f disease and illness in
		the correctional	setti	ng.				
Pathways	X Cr	iminal Justice				Fire		
<b>Green Practices</b>	Gr	een-specific	Context-dependent X Does not apply					Does not apply

Outcome	3.8. Suicide: Identify and manage potentially suicidal inmates.										
Competencies		3.1. Analyze times and situations when a suicide attempt is more likely to occur.									
	3.8		Describe factors in the correctional facility that may increase the risk of								
		suicide.	suicide.								
	3.8	3. Identify the physical and emotional warning signs of depression and									
		intervene to prevent suicide.									
	3.8	3.8.4. Identify the most common means of suicide in the correctional setting.									
	3.8	3.8.5. Describe the legal obligations of the corrections officer in supervising									
		inmates with	incre	eased risk of	suici	de.					
	3.8	.6. Identify inmat	es e	xhibiting de	press	ed or su	iicida	Il behavior and refer to			
		mental health	staf	f.							
	3.8	.7. Report, invest	igate	e, and docur	nent	inmate	suici	de and suicide attempts.			
	3.8		_	· ·				staff and inmates after a			
		suicide event.									
Pathways	Χ	Criminal Justice				Fire					
<b>Green Practices</b>		Green-specific		Context-do	epend	lent	Χ	Does not apply			

Outcome	3.9.	Mental Health: Identify and manage inmates with mental health crises.
Competencies	3.9.1.	Describe crisis and crisis intervention.
	3.9.2.	Compare and contrast the role of the facility crisis intervention team and the
		role of the corrections officer.
	3.9.3.	Identify symptoms of mental health crises (e.g., episodes of anger, violence,
		depression, unusual behavior).
	3.9.4.	Describe the psychological effects of incarceration on inmates.
	3.9.5.	Describe how the risk of mental health crisis differs during the beginning,

		middle, and end phases of incarceration.						
	3.9.	3.9.6. Identify inmates with greater risk of mental health crisis.						
	3.9.	3.9.7. De-escalate crisis situations and intervene per institutional policy.						
	3.9.	3.9.8. Identify inmates with symptoms of mental health crises and refer to mental						
		health staff.						
Pathways	Х	Criminal Justice	iminal Justice			Fire		
<b>Green Practices</b>		Green-specific	reen-specific Context-de			ent	Х	Does not apply

Course 6. Homeland Security: Protecting America's Critical Infrastructure

## **Criminal Justice Course 6. Homeland Security Protecting America's Critical Infrastructure**

**Description:** Homeland Security provides the knowledge and skills necessary to prepare for careers in public safety and homeland security. This course includes the legal responsibilities, disaster preparedness, critical infrastructure protection, cyber security and emergency communications/telecommunications.

Outcome	6.1.	Terrorism and Disaster Preparedness: Analyze terrorism, human trafficking,							
		and disaster preparedness and the role of homeland security in prevention,							
		mitigation, response, and recovery.							
Competencies	6.1.	1. Analyze the types, modes of operation, and tactics of terrorist organizations,							
		both foreign and domestic.							
	6.1.	2. Summarize the roles, duties, and strengths of local, state, and federal							
		agencies involved in homeland security.							
	6.1.	3. Describe the chain of command and hierarchy among all homeland security							
		agencies.							
	6.1.	4. Critique communication issues, procedures, and interoperability among all							
		homeland security agencies.							
	6.1.	6.1.5. Compare and contrast responding to a terrorism-created crime scene and a							
		non-terrorism-related crime scene.							
	6.1.	6.1.6. Describe the purpose of interagency and intergovernmental collaboration in							
		responding to emergency incidents.							
	6.1.	6.1.7. Describe the purpose for non-governmental organizations (NGOs) in							
		responding to emergency incidents.							
	6.1.	,							
		director in developing a community emergency response plan and							
		coordinating a response to a disaster.							
	6.1.	6.1.9. Summarize the procedures necessary for a local entity or state to obtain							
		federal assistance in a disaster situation.							
	6.1.10. Compare and contrast the roles of the National Guard and military in								
Dathwaya	V	responding to disasters.							
Pathways	Х	Criminal Justice X Fire							
Green Practices		Green-specific Context-dependent X Does not apply							

Outcome	6.2. Infrastructure and Border Protection: Describe the elements of national					
	infrastructure and border protection.					
Competencies	6.2.1. Identify major points of vulnerability in the nation's transportation,					
	agriculture, food, water, energy, and communications infrastructure and					
	borders.					
	6.2.2. Identify techniques to protect and secure infrastructure and borders.					
	6.2.3. Describe the National Infrastructure Protection Plan (NIPP) and the role of					
	the emergency responder.					
	6.2.4. Describe local, state, and federal agencies that protect the nation's					
	infrastructure and borders.					
	6.2.5. Implement emergency operations plan in response to an attack on					
	infrastructure or borders.					
Pathways	X Criminal Justice X Fire					

Course 6. Homeland Security: Protecting America's Critical Infrastructure

<b>Green Practices</b>		Green-specific	Context-de	pendent	Х	Does not apply			
						,			
Outcome	6.3.	Intelligence Gathe	ering: Describe inte	elligence gath	nering	activities on threat			
		analysis.							
Competencies	6.3.	1. Apply legal issue	es related to intell	igence gathe	ring a	ctivities to prevent			
				ism (e.g., Pat	riot A	ct, homeland security,			
		presidential dire	<u>-</u>						
	6.3.		cal, state, and fede	ral agencies	involv	ed in intelligence			
		gathering.							
	6.3.					haring of intelligence by			
	C 2	•	e role of the Direc			•			
	6.3.		-	and evaluat	e aon	nestic and international			
	6.3.	intelligence info		at and vulner	·ahilit	y assessment against a			
	0.5.	target.	to develop a tille	at and vulle	abilit	y assessifient against a			
Pathways	Х	Criminal Justice		Fire					
Green Practices		Green-specific	Context-de		Х	Does not apply			
	•	,				117			
Outcome	6.4.	Hazardous Mate	erials: Identify and	describe pro	cedu	res for reacting to a			
		chemical, biolog	gical, radiological,	nuclear, and	high-y	yield explosive (CBRNE).			
Competencies	6.4.	1. Identify possib	le targets and out	comes of CBR	NE at	tacks and procedures to			
		prevent and mitigate the threat.							
	6.4.		• •		•	yxiation, chemical,			
		•	· · · · · · · · · · · · · · · · · · ·	_		, hazards, and harm.			
	6.4.	6.4.3. Implement self-protective measures (e.g., shielding, time, distance) based							
		on type of TRA							
	6.4.		nnd evaluate warn						
	6.4.	with a CBRNE i		response me	asure	s that should be taken			
	6.4.			d identity an	d nhv	sical environment to			
	0.4.	develop a scen		d identity an	u pily	Sical environment to			
	6.4.	•	•	tify CBRNE a	gents	and conduct a hazard			
		and risk assess	• •	,	6				
	6.4.	8. Recognize the	signs and symptor	ns of CBRNE	agent	exposure and formulate			
		first aid, triage,	, and fatality mana	gement prod	edur	es.			
	6.4.	9. Control and co	ntain CBRNE agen	ts and decon	tamin	ate self, victims, site,			
			d mass casualties	based on che	mical	, biological, or			
		radiological age							
	6.4.		nique crime scene		e pres	servation issues			
			n a CBRNE inciden						
	6.4.		•	onse phase to	o the	recovery phase in a			
Dathways		CBRNE incident	ι.	V Fire					
Pathways Green Practices	Х	Green-specific	Context-de	X Fire	Х	Does not apply			
Green Fractices	<u> </u>	Green-specific	Context-de	pendent	_ ^	Does not apply			
Outcome	6.5.	Fmergency Onera	tions Plan: Describ	ne the all-haz	ards 4	emergency planning			
Catcome	0.5.								
	I	process from development to implementation of an emergency operations							

Criminal Justice Pathway
Course 6. Homeland Security: Protecting America's Critical Infrastructure

	ŗ	plan (EOP).						
Competencies	6.5.1.	Describe an EOP	and its purpose at the local, state, and federal level.					
	6.5.2.	Identify public se	ervice	e systems and	l officia	ls invo	lved	in planning.
	6.5.3.	Identify and des	cribe	the four step	s in em	ergen	cy pl	anning (i.e., hazard
		analysis, EOP de	velop	oment, EOP te	esting,	EOP m	ainte	enance and revision).
	6.5.4.	Identify and ana	lyze l	hazards using	the for	ur-step	haz	ard analysis method (i.e.,
		identify hazard, profile hazard, profile community, determine vulnerability).						
	6.5.5.	6.5.5. List and describe the basic components of an EOP.						
	6.5.6.	6.5.6. Describe and differentiate functional annexes and hazard specific						azard specific
		appendices.						
	6.5.7.	6.5.7. Activate the incident command system and implement an emergency						
		response following an EOP.						
Pathways	X C	riminal Justice			Χ	Fire		
<b>Green Practices</b>	G	reen-specific		Context-dep	enden	t	Χ	Does not apply

# Fire Course 1. Foundations of Firefighting and Emergency Medical Services

**Description:** Fire Fighting and Emergency Medical Services introduces students to the foundational concepts of firefighting safety and emergency medical services. Students will analyze Ohio Department of Public Safety Fire protection and Ohio Emergency Medical Services rules and regulations in preparation for Firefighter I&II curriculum and EMT licensure.

Outcome	8.8.	911 Telecommunication System: Process calls for assistance and dispatch first							
		responders according to protocol.							
Competencies	8.8.	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '							
		maintaining safety.							
	8.8.	8.8.2. Communicate with the media and public.							
	8.8.	3. Identify and describe legal and liability issues related to the emergency							
		service telecommunicator (e.g., Federal Communications Commission [FCC]							
		requirements; Title 18, U. S. Code; National Fire Protection Association [NFPA] 1221).							
	8.8.								
		911 telecommunication centers.							
	8.8.	5. Manage and prioritize incoming calls for service and recognize calls that							
		require supervisor notification.							
	8.8.	6. Communicate concisely with callers based on the situation and the needs of							
		the caller.							
	8.8.	8.8.7. Manage and identify callers and provide special assistance as needed to							
		callers (e.g., hysterical, suicidal, mental or physical disability).							
	8.8.	,							
		immediate danger following guides and protocols.							
	8.8.								
		10. Document calls for service.							
	8.8.	11. Use radio dispatching techniques and procedures to process a request for							
		emergency services.							
	8.8.	12. Use call processing guidelines for law enforcement, fire, and emergency							
		medical service when dispatching.							
		8.8.13. Use law enforcement, fire, and emergency medical service terminology.							
	ŏ.ŏ.	14. Use geographical information system (GIS) and geographical positioning							
Dathways	Х	system (GPS) technology in emergency response operations.  Criminal Justice X Fire							
Pathways  Graph Practices	Λ								
<b>Green Practices</b>		Green-specific Context-dependent X Does not apply							

Outcome	5.1. Organization and Mission: Explain the organization, mission statement, policies, and procedures of a fire department and explain the role of a Firefighter within the organization.
Competencies	5.1.1. Discuss the critical aspects of fire department's member assistance program, the critical aspects of NFPA 1500, Fire Department Occupational Safety and
	Health Program.  5.1.2. State the mission of the fire service.  5.1.3. Describe the organization of the fire department.  5.1.4. Discuss the role of the Firefighter.

	5.1.	5.1.5. Explain a fire department's standard operating procedures, rules, and						
		regulations as they apply to firefighters.						
	5.1.	5.1.6. Discuss the role of their agencies as they relate to the department.						
	5.1.	5.1.7. Discuss the value of fire and life safety initiatives supporting the fire					pporting the fire	
		department's mission and to reduce the line of duty deaths.						
Pathways		Criminal Justice			Χ	Fire		
<b>Green Practices</b>		Green-specific	reen-specific Context-de			ent	Х	Does not apply

Outcome	4.2.	Preparatory: App	ly fur	ndamental knowle	dge of tl	ne Em	ergency Medical		
						_	ency Medical Technician		
						•	vision of emergency care.		
Competencies	4.2.	11 / 1	•				wledge on EMS systems		
		-				•	essionalism of EMS		
			•	provement, and p					
	4.2.		•	nd breadth of kno	_		ita collection and		
		_		nce-based decisio	-				
	4.2.	''''					nowledge on workforce		
		•		ncluding wellness	-		-		
							management, dealing		
			-	•	ork-relat	ed in	juries, lifting and moving		
		patients, and dis							
	4.2.	,		epth, foundation			_		
			on th	ie principles of me	edical do	cume	ntation and report		
		writing. 4.2.5. Apply simple depth, simple breadth of knowledge on EMS communication							
	4.2.		•	•		_			
		· · · · · · · · · · · · · · · · · · ·	resources, transfer care of the patient, interaction within the						
		<ul> <li>team structure, communication with other health care professionals, and team communication and dynamics.</li> <li>4.2.6. Apply simple depth, simple breadth of knowledge on the principles of communicating with patients in a manner that achieves a positive relationship including adjusting communication strategies for age, stage o</li> </ul>							
	4.2								
	4.2.								
		•	-	ts with special ne					
	4.2.			epth, foundation			_		
	4.2.	,		•			and family presence		
		issues.	ттіц	acs, verbar acrasii	ig strate	gics,	and failing presence		
	4.2.		ntal d	epth, foundation	al breadt	h of k	nowledge on the		
				•			_		
		consent/refusal of care, expressed versus implied consent, advance directives, tort and criminal actions, evidence preservation, statutory							
				datory reporting,			•		
		obligations.		, , , , , ,		•	, ,		
Pathways		Criminal Justice		X	Fire				
<b>Green Practices</b>		Green-specific		Context-depend	ent	Х	Does not apply		

Outcome	5.36.	Hazardous Materials: Identify and respond to hazardous material incidents.
		The firefighter candidate shall meet the requirements defined in Chapter 5,
		Core Competencies for Operations Level Responders, and 6.6, Mission-
		Specific Competencies Product Control, of NFPA 472, Standard for

		Competence of Responders to Hazardous Materials/Weapons of Mass					
		Destruction Incidents.					
Competencies	5.36	5.1. Identify different forms of hazardous materials.					
	5.36	5.2. Identify agencies that have resources to assist in hazards material incidents					
		(e.g., Emergency Management Agency [EMA], Environmental Protection					
		Agency [EPA], Federal Emergency Management Agency [FEMA]).					
	5.36.3. Identify and interpret hazards material labels and placards using the U. S.						
		Department of Transportation [DOT] Emergency Response Guidebook.					
	5.36.4. Read and interpret Material Safety Data Sheet (MSDS) forms and shipping						
		documents.					
	5.36	5.5. Identify sources of information on procedures for the safe cleanup, storage,					
		and disposal of hazardous materials (e.g., CHEMTREC).					
	5.36	5.6. Describe the purpose of a hazardous materials safety plan.					
Pathways	Χ	Criminal Justice X Fire					
<b>Green Practices</b>		Green-specific Context-dependent X Does not apply					

Outcome	6.4.	Hazardous Mater	rials: Identify and	describ	e nroc	edu	res for reacting to a					
Outcome	0.4.		•		•		-					
Compotoncies	<i>C</i> 1	chemical, biological, radiological, nuclear, and high-yield explosive (CBRNE).  4.1. Identify possible targets and outcomes of CBRNE attacks and procedures to										
Competencies	0.4.	, ,										
		•	prevent and mitigate the threat.  Summarize the types of thermal, radiological, asphyxiation, chemical,									
	6.4.				_		-					
				_			, hazards, and harm.					
	6.4.	3. Implement self-	protective measu	res (e.g	., shie	lding	g, time, distance) based					
		on type of TRAC	EM incident.									
	6.4.	4. Cite evidence an	id evaluate warni	ng signs	of CB	RNE	incidents.					
	6.4.	5. Classify material	and summarize r	espons	e mea	sure	s that should be taken					
		with a CBRNE inc	cident.									
	6.4.	6. Draw conclusion	s based on hazar	d identi	ty and	l phy	sical environment to					
			develop a scene control plan.									
	6.4.	•	•	ifv CBR	NE ag	ents	and conduct a hazard					
		and risk assessm		, -								
	6.4.			s of CB	RNF a	gent	exposure and formulate					
	0	•	and fatality mana			_	•					
	6.4.						ate self, victims, site,					
	0.4.		mass casualties b									
				aseu oi	chen	IIICai	, biological, of					
	C 1	radiological ager										
	6.4.		que crime scene		aence	pres	servation issues					
	٠.		a CBRNE incident									
	6.4.		nsition from the response phase to the recovery phase in a									
_		CBRNE incident.										
Pathways	Х	Criminal Justice		Х	Fire							
<b>Green Practices</b>		Green-specific	Context-dep	endent		Χ	Does not apply					

Outcome	6.5. I	Emergency Operations Plan: Describe the all-hazards emergency planning						
		process from development to implementation of an emergency operations						
	1	plan (EOP).						
Competencies	6.5.1.	Describe an EOP and its purpose at the local, state, and federal level.						

	6.5.	6.5.2. Identify public service systems and officials involved in planning.											
	6.5.	3. Identify and des	Identify and describe the four steps in emergency planning (i.e., hazard										
		analysis, EOP de	analysis, EOP development, EOP testing, EOP maintenance and revision).										
	6.5.	<ol> <li>Identify and ana</li> </ol>	Identify and analyze hazards using the four-step hazard analysis method (i.e.,										
		identify hazard, profile hazard, profile community, determine vulnerability).											
	6.5.	5. List and describe the basic components of an EOP.											
	6.5.	<ol><li>Describe and dif</li></ol>	ferer	ntiate function	nal ann	exes a	nd h	azard specific					
		appendices.											
	6.5.	7. Activate the inci	dent	command sy	stem a	nd imp	olem	ent an emergency					
		response followi	ng ai	n EOP.									
Pathways	Χ	Criminal Justice			Χ	Fire							
<b>Green Practices</b>		Green-specific		Context-dep	enden	t	Χ	Does not apply					

Outcome	1 1	PEOLIIPED Employability	, Skil	lc: Dov	olon career awaren	0000	nd employability			
Outcome	1.1. REQUIRED Employability Skills: Develop career awareness and employability skills (e.g., face-to-face, online) needed for gaining and maintaining									
	II.	employment in diverse business settings.								
Compotonsias	1.1.1.					, to c	uccood in caroors			
Competencies		,			· ·					
	1.1.2.	,				•				
	442	education, training, co								
	1.1.3.				ts career interests,	patn	ways, and secondary			
		and postsecondary or			· <b>(</b> !		and the desired			
	1.1.4.									
		associations, and orga				ig tec	thniques to develop			
	l <b>-</b>	and maintain professi			•		/ (11)			
	1.1.5.	, ,								
	job applications, résumé writing, interviewing skills, portfolio development).									
	1.1.6.	'								
		demonstrate associat	ed b	ehavio	rs in fulfilling perso	nal, c	ommunity, and			
		workplace roles.								
	1.1.7.	''''	_		•	work-	related issues when			
		making decisions and			•					
	1.1.8.	•					l appearance and			
		manage those to esta			•					
		Give and receive cons			•					
	II.	). Adapt personal coping	_			•				
	1.1.11	Recognize different cu	ultur	al belie	efs and practices in	the w	orkplace and			
		demonstrate respect	for tl	nem.						
	1.1.12	2. Identify healthy lifesty	yles t	hat red	duce the risk of chro	onic c	disease, unsafe			
		habits, and abusive be	ehavi	or.						
Pathways	Х	Pathway 1		X	Pathway 2					
	Х	Pathway 3		Х	Pathway 4					
<b>Green Practices</b>		Green-specific	Χ	Conte	ext-dependent		Does not apply			

Outcome	1.2. REQUIRED Leadership and Communications: Process, maintain, evaluate, and							
	disseminate information in a business. Develop leadership and team building to							
	promote collaboration.							
Competencies	1.2.1. Extract relevant, valid information from materials and cite sources of							

Fire Pathway Page 5

	information.										
	1.2.2	2. Deliver formal and informal presentations.									
	1.2.3	Identify and use verbal, nonverbal, and active listening skills to communicate									
		effectively.									
	1.2.4	Use negotiation and conflict-resolution skills to reach solutions.									
	1.2.5	5. Communicate information (e.g., directions, ideas, vision, workplace									
		expectations) for an intended audience and purpose.									
	1.2.6	2.6. Use proper grammar and expression in all aspects of communication.									
	1.2.7	7. Use problem-solving and consensus-building techniques to draw conclusions									
		and determine next steps.									
	1.2.8	1.2.8. Identify the strengths, weaknesses, and characteristics of leadership styles									
	that influence internal and external workplace relationships.										
	1.2.9	8.0									
		communications (e.g., common content for large audience, control of tone,									
		speed, cost, lack of non-verbal cues, potential for forwarding information,									
		longevity).									
	1.2.1	.0. Use interpersonal skills to provide group leadership, promote collaboration,									
		and work in a team.									
	1.2.1	1. Write professional correspondence, documents, job applications, and									
		résumés.									
		2. Use technical writing skills to complete forms and create reports.									
		3. Identify stakeholders and solicit their opinions.									
		4. Use motivational strategies to accomplish goals.									
Pathways	Х	Pathway 1 X Pathway 2									
	Х	Pathway 3 X Pathway 4									
<b>Green Practices</b>		Green-specific X Context-dependent Does not apply									

Outcome	1.3. REQUIRED Business Ethics and Law: Analyze how professional, ethical, and							
	legal behavior contributes to continuous improvement in organizational							
	performance and regulatory compliance.							
Competencies	1.3.1. Analyze how regulatory compliance affects business operations and							
	organizational performance.							
	1.3.2. Follow protocols and practices necessary to maintain a clean, safe, and							
	healthy work environment.							
	1.3.3. Use ethical character traits consistent with workplace standards (e.g.,							
	honesty, personal integrity, compassion, justice).							
	1.3.4. Identify how federal and state consumer protection laws affect products and							
	services.							
	1.3.5. Access and implement safety compliance measures (e.g., quality assurance							
	information, safety data sheets [SDSs], product safety data sheets [PSDSs],							
	U.S. Environmental Protection Agency [EPA], United States Occupational							
	Safety and Health Administration [OSHA]) that contribute to the continuous							
	improvement of the organization.							
	1.3.6. Identify deceptive practices (e.g., bait and switch, identity theft, unlawful							
	door-to-door sales, deceptive service estimates, fraudulent							
	misrepresentations) and their overall impact on organizational performance.							
	1.3.7. Identify the labor laws that affect employment and the consequences of							

		noncompliance for both employee and employer (e.g., harassment, labor, employment, employment interview, testing, minor labor laws, Americans						
		with Disabilities Act, Fair Labor Standards Acts, Equal Employment						
		Opportunity Commission).						
	1.3.	1.3.8. Verify compliance with computer, copyright, and intellectual property laws						
		and regulations.						
	1.3.	1.3.9. Identify potential conflicts of interest (e.g., personal gain, project bidding)						
	between personal, organizational, and professional ethical standards.							
Pathways	Х	Pathway 1	Pathway 1			Pathway 2		
	Х	Pathway 3		X Pathway 4				
<b>Green Practices</b>		Green-specific	Х	Context-dependent Does not appl				

Outcome	1.4.	REQUIRED Knowledge N	Лana	gemer	ent and Information Technology: Demonstrate					
	current and emerging strategies and technologies used to collect, analyze,									
		record, and share inforr	natic	n in b	usiness operations.					
Competencies	1.4.	1. Use office equipment	to c	ommu	nicate (e.g., phone,	, radio equipment, fax				
		machine, scanner, pu	blic a	addres	s systems).					
	1.4.	2. Select and use softwa	ire ap	oplicat	ons to locate, reco	ord, analyze, and present				
		information (e.g., wo	rd pr	ocessir	ng, electronic mail,	spreadsheet, databases,				
		presentation, Interne	t sea	rch en	gines).					
	1.4.	3. Verify compliance wit	h se	curity r	ules, regulations, a	and codes (e.g., property,				
		privacy, access, accuracy issues, client and patient record confidentiality)								
		pertaining to technology specific to industry pathway.								
	1.4.	1.4.4. Use system hardware to support software applications.								
	1.4.	5. Use information tech	nolog	gy tool	s to maintain, secu	ire, and monitor business				
		records.								
	1.4.	<ol><li>Use electronic databa</li></ol>	ise to	acces	s and create busine	ess and technical				
		information.								
	1.4.	P		_	· ·					
		optimize assigned tas	ks (e	.g., list	s, calendars, addre	ess books).				
	1.4.		Jse electronic media to communicate and follow network etiquette							
		guidelines.								
Pathways	Х	Pathway 1		Х	Pathway 2					
	Х	Pathway 3		X	Pathway 4					
<b>Green Practices</b>		Green-specific	Χ	Cont	text-dependent Does not apply					

Outcome	1.5. REQUIRED Global Environment: Evaluate how beliefs, values, attitudes, and							
	behaviors influence organizational strategies and goals.							
Competencies	1.5.1. Describe how cultural understanding, cultural intelligence skills, and							
	continual awareness are interdependent.							
	1.5.2. Describe how cultural intelligence skills influence the overall success and							
	survival of an organization.							
	1.5.3. Use cultural intelligence to interact with individuals from diverse cultural							
	settings.							
	1.5.4. Recognize barriers in cross-cultural relationships and implement behavioral							
	adjustments.							
	1.5.5. Recognize the ways in which bias and discrimination may influence							

		productivity and profitability.							
	1.5.	. Analyze work tasks for understanding and interpretation from a different cultural perspective.							
	1.5.	1.5.7. Use intercultural communication skills to exchange ideas and create meaning.							
	1.5.8. Identify how multicultural teaming and globalization can foster development of new and improved products and services and recognition of new opportunities.								
Pathways	Х	Pathway 1		Х	Pathway 2				
	Х	Pathway 3		Х	Pathway 4				
<b>Green Practices</b>		Green-specific	Χ	Cont	text-dependent Does not apply				

Outcome	1.6.	REQUIRED Business Lite	racv:	Devel	op foundational ski	lls an	d knowledge in		
	entrepreneurship, financial literacy, and business operations.								
Competencies	1.6.1. Identify business opportunities.								
	1.6.2	, , , , , , , , , , , , , , , , , , , ,							
		disadvantages (e.g., ri	sk vs.	rewa	rd, reasons for succ	ess a	nd failure).		
	1.6.3	. Explain the importance	e of p	olanniı	ng your business.				
	1.6.4	. Identify types of busir	esse	s, own	ership, and entities	i.e.,	individual		
		proprietorships, partn	ershi	ps, co	rporations, coopera	atives	, public, private,		
		profit, not-for-profit).							
	1.6.5	•			•	•			
		responsibilities of the	orgai	nizatio	nal departments, a	nd in	terdepartmental		
		interactions.							
	1.6.6	, .				n, the	e niche that the		
		organization fills, and			•				
	1.6.7	,		-	•				
	1.6.8	•	and b	enefits	s that make an orga	ınızat	ion's product or		
	1.00	service competitive.							
	1.6.9	•		ice of	an employee, a dep	artm	ent, and an		
	1 6 1	organization is assess		- ali-a-	ion on an ontorpris	0000	vecnization		
		Describe the impact o     Describe how all busing	_		·		•		
	1.0.1	<ol> <li>Describe how all busing parameters of a budge</li> </ol>		ictiviti	es of all organization	JII WO	rk within the		
	161	2. Describe classification		mnlo	vee henefits rights	אםאי	ictions and		
	1.0.1	compensations.	13 01 6	-mpio	rec benefits, rights,	, acut	actions, and		
Pathways	Х	Pathway 1		Х	Pathway 2				
- adiiways	X	Pathway 3		X	Pathway 4				
Green Practices	, ·	Green-specific	Х		ext-dependent		Does not apply		
J. 5011 1 14001663		Creen specific	^	50.70	acpendent		Does not apply		

Outcome	1.9. REQUIRED Financial Management: Use financial tools, strategies, and systems					
	to develop, monitor, and control the use of financial resources to ensure					
	personal and business financial well-being.					
Competencies	1.9.1. Create, analyze, and interpret financial documents (e.g., budgets, income					
	statements).					
	1.9.2. Identify tax obligations					
	1.9.3. Review and summarize savings, investment strategies, and purchasing					

		options (e.g., cash, lease, finance, stocks, bonds).						
	1.9.4							
	1.9.5	, , , , , , , , , , , , , , , , , , , ,						
	1.9.6							
		capacity affect access to loans.						
	1.9.7	. Review and summarize categories (types) of insurance and identify how						
		insurances can reduce financial risk.						
	1.9.8	. Identify income sources and expenditures.						
	1.9.9	Compare and contrast different banking services available through financial						
		institutions.						
	1.9.10. Identify the role of depreciation in tax planning and liability.							
Pathways	Х	Pathway 1		Х	Pathway 2			
	Х	Pathway 3	nway 3			Pathway 4		
<b>Green Practices</b>		Green-specific	Х	Cont	Context-dependent Does no		Does not apply	

Page 1 Course 2. Emergency Medical Technican

### Fire Course 2. Emergency Medical Technician

Description: This course will prepare students to perform entry-level emergency medical care as an EMT. Students will assess patient's condition, administering appropriate emergency medical care, and perform EMT duties safely and effectively. At the end of this course, successful students will be eligible to sit for Ohio certification testing as an Emergency Medical Technician.

Content will follow the same progression as ORC:

- (1) Preparatory;
- (2) Anatomy and physiology;
- (3) Medical terminology;
- (4) Physiology;
- (5) Life span development;
- (6) Public health;
- (7) Pharmacology;
- (8) Airway management, respiration, and artificial ventilation, to include:
- (9) Patient assessment;
- (10) Medicine, to include:
- (11) Shock and resuscitation;
- (12) Trauma, to include:
- (13) Special patient populations;
- (14) EMS operations;
- (15) Clinical prehospital

Outcome	4.1.	Basic First Aid: Demonstrate skills in basic first aid, cardiopulmonary						
		resuscitation (CPF	resuscitation (CPR), and use of Automated External Defibrillation (AED).					
Competencies	4.1.	4.1.1. Identify the duties of a public safety official to provide emergency medical						
		care.	care.					
	4.1.	2. Obtain certification in basic first aid.						
	4.1.	1.3. Obtain certification in CPR/AED.						
Pathways	Х	Criminal Justice	Criminal Justice X Fire					
<b>Green Practices</b>		Green-specific		Context-de	pend	ent	Х	Does not apply

Outcome	4.2. Preparatory: Apply fundamental knowledge of the Emergency Medical
	Services (EMS) system, safety/well-being of the Emergency Medical
	Technician (EMT), and medical/legal and ethical issues to the provision of
	emergency care.
Competencies	4.2.1. Apply simple depth and foundational breadth of knowledge on EMS systems
	including history of EMS, roles/responsibilities, professionalism of EMS
	personnel, quality improvement, and patient safety.
	4.2.2. Apply simple depth and breadth of knowledge on data collection and
	research using evidence-based decision making.
	4.2.3. Apply fundamental depth, foundational breadth of knowledge on workforce
	safety and wellness including wellness principles, standard safety
	precautions, personal protective equipment, stress management, dealing
	with death and dying, prevention of work-related injuries, lifting and moving

	patients, and disease transmission.						
	4.2.4. Apply fundamental depth, foundational breadth of knowledge of documentation on the principles of medical documentation and report						
	writing.						
	4.2.5. Apply simple depth, simple breadth of knowledge on EMS communication						
	systems, call for resources, transfer care of the patient, interaction within the						
	team structure, communication with other health care professionals, and						
	team communication and dynamics. 4.2.6. Apply simple depth, simple breadth of knowledge on the principles of						
	communicating with patients in a manner that achieves a positive						
	relationship including adjusting communication strategies for age, stage of						
	development, patients with special needs, and differing cultures.						
	4.2.7. Apply fundamental depth, foundational breadth of knowledge on						
	interviewing techniques, verbal defusing strategies, and family presence						
	issues.						
	4.2.8. Apply fundamental depth, foundational breadth of knowledge on the						
	consent/refusal of care, expressed versus implied consent, advance						
	directives, tort and criminal actions, evidence preservation, statutory						
	responsibilities, mandatory reporting, and ethical principles/moral						
Dethans	obligations.						
Pathways	Criminal Justice X Fire						
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply						
Outcome	4.3. Anatomy and Physiology: Define and describe knowledge and skills in						
Outcome	anatomy and physiology for Emergency Medical Technician (EMT).						
Competencies	4.3.1. Apply fundamental knowledge of the anatomy and function of all human						
	systems to the practice of EMS.						
Pathways	Criminal Justice X Fire						
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply						
Outcome	4.4. Medical Terminology: Define and describe knowledge and skills in medical						
	terminology for Emergency Medical Technician (EMT).						
Competencies	4.4.1. Use foundational anatomical and medical terms and abbreviations in written						
	and oral communication with colleagues and other health care professionals.						
Pathways	Criminal Justice X Fire						
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply						
Outcome	4.5 Dath anhygiology Define and describe knowledge and skills in						
Outcome	4.5. Pathophysiology: Define and describe knowledge and skills in pathophysiology for Emergency Medical Technician (EMT).						
Competencies	4.5.1. Apply fundamental knowledge of the pathophysiology of respiration and						
Competencies	perfusion to patient assessment and management.						
Pathways	Criminal Justice X Fire						
Green Practices	Green-specific Context-dependent X Does not apply						
	Zonton dependent A Decemberry						
Outcome	4.6. Life Span Development: Define and describe knowledge and skills in life span						
	development for Emergency Medical Technician (EMT).						
Competencies	4.6.1. Apply fundamental knowledge of life span development to patient						

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Fire Pathway
Course 2. Emergency Medical Technican

		accoccment and	man	agamont					
Dethuses	assessment and management.								
Pathways		Criminal Justice			X	Fire	Lv	D	
<b>Green Practices</b>		Green-specific		Context-de	penae	ent	Х	Does not apply	
			٠.					1.11	
Outcome	4.7.					wledge a	and s	kills in public health for	
		Emergency Med				6.111			
Competencies	4./.	1.7.1. Use simple knowledge of the principles of illness and injury prevention in							
5 .1		emergency care							
Pathways		Criminal Justice	l	0	Х	Fire	Lv	<b>.</b>	
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Х	Does not apply	
Outcome	4.8.	Emergency Med	lical 1	echnician (E		_		e medications that the minister to a patient	
		during an emerg							
Competencies	4.8.	, .	•	•			_	n the principles of	
				_	n saf	ety and	the k	inds of medications used	
		during an emerg							
	4.8.	''''		-				nowledge on medication	
		administration v		•	•		ne EN	VII on how to	
	40	assist/administe			-			de	
	4.8.							dge on emergency	
								including names,	
		actions, indications, contraindications, complications, routes of administration, side effects, interactions, and dosages for the medications							
		administration,	side e	enects, intera	iction	s, and u	osagi	es for the medications	
Pathways		Criminal Justice			Х	Fire			
Green Practices							Does not apply		
Green Fractices		Green-specific		Context-de	penae	- III		Does not apply	
Outcome	4.9.	4.9. Airway: Apply knowledge (fundamental depth, foundational breadth) of							
Outcome	7.5.							·	
		general anatomy and physiology to patient assessment and management in order to assure a patent airway, adequate mechanical ventilation, and							
		respiration for patients of all ages.							
		respiration for t	aucı	its of all ages				,	
Competencies	4.9.					l breadt	h of k	·	
Competencies	4.9.	Apply fundamer	ntal d	epth, founda	tiona			nowledge on airway	
Competencies	4.9.	Apply fundamer     management wi	ntal d ithin t	epth, founda the scope of	tiona practi	ce of th	e Em	knowledge on airway ergency Medical	
Competencies	4.9.	Apply fundamer	ntal d ithin i () incl	epth, founda the scope of uding airway	tiona practi anat	ce of th omy, air	e Em	knowledge on airway ergency Medical	
Competencies	4.9. 4.9.	<ol> <li>Apply fundamer management wi Technician (EMT techniques of as</li> </ol>	ntal d ithin i () incl	epth, founda the scope of uding airway g a patent ai	tiona practi anat rway.	ce of th omy, air	e Em	cnowledge on airway ergency Medical assessment, and	
Competencies		<ol> <li>Apply fundamer management wi Technician (EMT techniques of as</li> </ol>	ntal d ithin i () incl ssurin ntal d	epth, founda the scope of uding airway g a patent ai epth, founda	tiona practi anat rway. tiona	ce of th omy, air I breadt	e Eme way h of k	knowledge on airway ergency Medical assessment, and knowledge on respiration	
Competencies		<ol> <li>Apply fundamer management wi Technician (EMT techniques of as</li> <li>Apply fundamer</li> </ol>	ntal d ithin f incl ssurin ntal d atom	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp	tiona practi anat rway. tiona irator	ce of th omy, air I breadt y syster	e Emerway h of k	ergency Medical assessment, and anowledge on respiration ysiology and	
Competencies		<ol> <li>Apply fundamer management win Technician (EMT) techniques of as</li> <li>Apply fundamer including the an pathophysiology</li> </ol>	ntal dithin fithin finching in the second in	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp espiration, pu	tiona practi anat rway. tiona irator	ce of th omy, air I breadt y syster ary ven	e Emerway h of k n, pho tilation	ergency Medical assessment, and anowledge on respiration ysiology and	
Competencies		<ol> <li>Apply fundamer management win Technician (EMT) techniques of as</li> <li>Apply fundamer including the an pathophysiology respiration (externion)</li> </ol>	ntal dithin the fithin	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp espiration, pu internal, cell	tiona practi anat rway. tiona irator ulmon ular),	ce of th omy, ain I breadt y syster ary ven assessr	e Emerway hof k h of k n, pho tilation	ergency Medical assessment, and enowledge on respiration ysiology and on, oxygenation,	
Competencies		<ol> <li>Apply fundamer management win Technician (EMT) techniques of as</li> <li>Apply fundamer including the an pathophysiology respiration (extended)</li> </ol>	ntal dithin fithin fith	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp espiration, pu internal, cell uate respirat	tiona practi anat rway. tiona irator ular), ion, a	ce of th omy, air I breadt y syster ary ven assessr and supp	e Emerway h of k n, pho tilation nent oleme	ergency Medical assessment, and enoughedge on respiration ysiology and on, oxygenation, and management of	
Competencies	4.9.	<ol> <li>Apply fundamer management winch Technician (EMT) techniques of as</li> <li>Apply fundamer including the an pathophysiology respiration (extended and in Apply fundamer assessment and</li> </ol>	ntal dithin find including the second	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp espiration, pu internal, cell uate respirat epth, founda agement of a	tiona practi anat rway. tiona irator ular), ion, a tiona idequ	ce of thomy, air I breadt y syster ary ven assessr and supp I breadt ate and	e Emerway h of k n, pho tilation nent oleme h of k inade	ergency Medical assessment, and enowledge on respiration ysiology and on, oxygenation, and management of ental oxygen therapy. Enowledge on the equate ventilation	
Competencies	4.9.	<ol> <li>Apply fundamer management win Technician (EMT) techniques of as</li> <li>Apply fundamer including the an pathophysiology respiration (extended and in Apply fundamer assessment and including artificin</li> </ol>	ntal dithin fithin fith	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp espiration, pu internal, cell uate respirat epth, founda agement of a ntilation, min	tional practification and to the control of the con	ce of thomy, air I breadt y syster ary ven assessr and supp I breadt ate and entilatio	e Emerway hof ken, photological hof kenter blement of kenner hof k	cnowledge on airway ergency Medical assessment, and cnowledge on respiration ysiology and on, oxygenation, and management of ental oxygen therapy. cnowledge on the	
	4.9.	<ol> <li>Apply fundamer management wi Technician (EMT techniques of as</li> <li>Apply fundamer including the an pathophysiology respiration (exteadequate and in</li> <li>Apply fundamer assessment and including artificithe effect of artificities</li> </ol>	ntal dithin fithin fith	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp espiration, pu internal, cell uate respirat epth, founda agement of a ntilation, min	tional practive anatorial monular), ion, a tional dequante von care	ce of thomy, air I breadt y syster ary ven assessr and supp I breadt ate and entilatic	e Emerway hof ken, photological hof kenter blement of kenner hof k	ergency Medical assessment, and enowledge on respiration ysiology and on, oxygenation, and management of ental oxygen therapy. Enowledge on the equate ventilation	
Pathways Green Practices	4.9.	<ol> <li>Apply fundamer management win Technician (EMT) techniques of as</li> <li>Apply fundamer including the an pathophysiology respiration (extended and in Apply fundamer assessment and including artificin</li> </ol>	ntal dithin fithin fith	epth, founda the scope of uding airway g a patent ai epth, founda y of the resp espiration, pu internal, cell uate respirat epth, founda agement of a ntilation, min	tional praction and tional dequate von care	ce of thomy, air only, air only, air only system assessmand suppersonate and entilatic diac out Fire	e Emerway  h of ken, phore tilation nent oleme h of ken inade on, alv	ergency Medical assessment, and enowledge on respiration ysiology and on, oxygenation, and management of ental oxygen therapy. Enowledge on the equate ventilation	

Outcome  4.10. Assessment: Apply scene information and patient assessment findings (s size-up, primary and secondary assessment, patient history, and reassessment) to guide emergency management.  Competencies  4.10.1. Apply complex depth, comprehensive breath of knowledge on scene safe 4.10.2. Apply fundamental depth, foundational breadth of knowledge on scene management including the impact of the environment on patient care,							
reassessment) to guide emergency management.  Competencies  4.10.1. Apply complex depth, comprehensive breath of knowledge on scene safe 4.10.2. Apply fundamental depth, foundational breadth of knowledge on scene	ty.						
<b>Competencies</b> 4.10.1. Apply complex depth, comprehensive breath of knowledge on scene safe 4.10.2. Apply fundamental depth, foundational breadth of knowledge on scene	ty.						
4.10.2. Apply fundamental depth, foundational breadth of knowledge on scene	ty.						
management including the impact of the environment on patient care.							
7							
addressing hazards, violence, the need for additional or specialized							
resources, and standard precautions.							
4.10.3. Apply fundamental depth, foundational breadth of knowledge on scene s	ize-						
up including scene management and multiple patient situations.							
4.10.4. Apply fundamental depth, simple breadth of knowledge on the primary							
assessment for all patient situations including initial general impression,	evel						
of consciousness, ABCs (airway, breathing, circulation), identifying life							
threats, assessment of vital functions, and integration of							
treatment/procedures needed to preserve life.							
4.10.5. Apply fundamental depth, foundational breadth of knowledge on history							
taking including investigation of the chief complaint, mechanism of							
injury/nature of illness, past medical history, associated signs and sympton	ms,						
and pertinent negatives.							
4.10.6. Apply simple depth, simple breadth of knowledge on performing a secon	4.10.6. Apply simple depth, simple breadth of knowledge on performing a secondary						
assessment including a rapid full body scan, focused assessment of pain,	and						
assessment of vital signs.							
4.10.7. Apply fundamental depth, foundational breadth of knowledge on second	ary						
assessment techniques of physical examination including respiratory syst	em						
(presence of breath sounds), cardiovascular system, neurological system,							
musculoskeletal system, and all anatomical regions.							
4.10.8. Use monitoring devices, within the scope of practice of the Emergency	4.10.8. Use monitoring devices, within the scope of practice of the Emergency						
Medical Technician (EMT), including (but not limited to) a 12-lead							
electrocardiogram (ECG) setup and application for electronic transmissio	electrocardiogram (ECG) setup and application for electronic transmission						
and end tidal carbon dioxide monitoring and detection.							
4.10.9. Apply fundamental depth, foundational breadth of knowledge on how ar	d						
when to perform a reassessment for all patient situations.							
Pathways Criminal Justice X Fire							
Green Practices Green-specific Context-dependent X Does not apply							

Outcome	4.11. Medicine: Apply fundamental knowledge to provide basic emergency care
	and transportation based on assessment findings for an acutely ill patient.
Competencies	4.11.1. Apply simple depth, foundational breadth of knowledge on
	pathophysiology, assessment, and management of a medical complaint
	(medical overview) to include transport mode and destination decisions.
	4.11.2. Apply fundamental depth, foundational breadth of knowledge on the
	anatomy, physiology, pathophysiology, assessment, and management of
	neurology including stroke/transient ischemic attack, seizure, status
	epilepticus, and headache.
	4.11.3. Apply fundamental depth, foundational breadth of knowledge on the
	anatomy, physiology, pathophysiology, assessment, and management of

- abdominal and gastrointestinal disorders including acute and chronic gastrointestinal hemorrhage.
- 4.11.4. Apply simple depth, simple breadth of knowledge of peritonitis and ulcerative diseases.
- 4.11.5. Apply simple depth, simple breadth of knowledge in the recognition and management of shock and difficulty breathing related to anaphylactic reactions.
- 4.11.6. Apply fundamental depth, foundational breadth of knowledge on the anatomy, physiology, pathophysiology, assessment, and management of hypersensitivity disorders and/or emergencies involving anaphylactic reactions.
- 4.11.7. Apply simple depth, simple breadth of knowledge on the assessment and management of a patient who may have an infectious disease and how to decontaminate the ambulance and equipment after treating a patient.
- 4.11.8. Apply fundamental depth, foundational breadth of knowledge on the anatomy, physiology, pathophysiology, assessment, and management of endocrine disorders including acute diabetic emergencies.
- 4.11.9. Apply simple depth, simple breadth of knowledge on the basic principles of the mental health system.
- 4.11.10. Apply fundamental depth, foundational breadth of knowledge on the assessment and management of psychiatric conditions including acute psychosis, suicidal/risk, and agitated delirium.
- 4.11.11. Apply simple depth, simple breadth of knowledge in the anatomy, signs, symptoms, and management of chest pain and cardiac arrest.
- 4.11.12. Apply fundamental depth, foundational breadth of knowledge on the anatomy, physiology, pathophysiology, assessment, and management of cardiovascular conditions including acute coronary syndrome (angina pectoris, myocardial infarction), aortic aneurysm/dissection, and thromboembolism.
- 4.11.13. Apply simple depth, simple breadth of knowledge on heart failure and hypertensive emergencies.
- 4.11.14. Apply simple depth, simple breadth of knowledge in the recognition and management of carbon monoxide poisoning, nerve agent poisoning, and how and when to contact a poison control center.
- 4.11.15. Apply fundamental depth, foundational breadth of knowledge on anatomy, physiology, pathophysiology, assessment, and management of toxicology conditions including inhaled poisons, ingested poisons, injected poisons, absorbed poisons, and alcohol intoxication and withdrawal.
- 4.11.16. Apply simple depth, simple breadth of knowledge on the anatomy, signs, symptoms, and management of respiratory emergencies including those that affect the upper airway and lower airway.
- 4.11.17. Apply fundamental depth, foundational breadth of knowledge on the anatomy, physiology, pathophysiology, assessment, and management of respiratory conditions including epiglottitis, spontaneous pneumothorax, pulmonary edema, asthma, chronic obstructive pulmonary disease, environmental/industrial exposure, and toxic gas.
- 4.11.18. Apply simple depth, simple breadth of knowledge on pertussis, cystic fibrosis, pulmonary embolism, pneumonia, and viral respiratory infections.

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	4.13	1.19. Apply simple de	epth,	simple bread	dth of	knowle	dge c	on the anatomy,
		physiology, pathophysiology, assessment, and management of hematology						
		conditions including sickle cell crisis and clotting disorders						
	4.13	1.20. Apply simple de	epth,	simple bread	dth of	knowle	dge c	on blood pressure
		assessment in h	nemo	dialysis patie	ents.			
	4.13	1.21. Apply simple de	epth,	simple bread	dth of	knowle	dge c	on the anatomy,
		physiology, pat	hoph	ysiology, ass	essme	ent, and	man	agement of
		genitourinary/r	enal	conditions in	cludir	ng comp	licati	ons related to renal
		•			_			ertion) and kidney stones.
	4.13	1.22. Apply fundame		•				_
		• • • •				_		nagement of gynecology
			_	-	ding a	nd sexu	al ass	sault (to include
		appropriate em						
		4.11.23. Apply simple depth, simple breadth of knowledge on gynecology infections.						
	4.13	4.11.24. Apply fundamental depth, foundational breadth of knowledge on the						
		anatomy, physiology, pathophysiology, assessment and management of						
		non-traumatic fractures.						
	4.13	4.11.25. Apply simple depth, simple breadth of knowledge on the recognition and						
		management of nose bleeds.						
	4.13	4.11.26. Apply fundamental depth, foundational breadth of knowledge on the						
		anatomy, physiology, pathophysiology, assessment, and management of						
		diseases of the	eyes	, ears, nose,				
Pathways		Criminal Justice			Х	Fire		
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Х	Does not apply

Outcome	4.12. Shock and Resuscitation: Define and describe knowledge and skills in shock					
	and resuscitation for the Emergency Medical Technician (EMT).					
Competencies	4.12.1. Identify the duties of a public safety official to provide emergency medical					
	Use assessment information to recognize shock, respiratory failure or arrest,					
	and cardiac arrest based on assessment findings and manage the emergency					
	while awaiting additional emergency response.					
	4.12.2. Apply fundamental knowledge of the causes, pathophysiology, and					
	management of shock, respiratory failure or arrest, cardiac failure or arrest,					
	and postresuscitation management.					
Pathways	Criminal Justice X Fire					
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply					

Outcome	4.13.	Trauma: Apply fundamental knowledge to provide basic emergency care and
		transportation based on assessment findings for an acutely injured patient.
Competencies	4.13.1.	Apply fundamental depth, foundational breadth of knowledge on trauma
		pathophysiology, assessment, and management of the trauma patient
		including trauma scoring, rapid transport, destination issues, and transport
		mode.
	4.13.2.	Apply fundamental depth, foundational breadth of knowledge on the
		pathophysiology, assessment, and management of bleeding.
	4.13.3.	Apply simple depth, simple breadth of knowledge on the recognition and
		management of chest trauma including blunt versus penetrating

- mechanisms, open chest wound, impaled object, and pneumothorax (open and simple).
- 4.13.4. Apply fundamental depth, simple breadth of knowledge on chest trauma pathophysiology, assessment, and management including blunt versus penetrating mechanisms, hemothorax, pneumothorax (open, simple, tension), cardiac tamponade, rib fractures, flail chest, and commotio cordis.
- 4.13.5. Apply simple depth, simple breadth of knowledge in the recognition and management of abdominal and genitourinary trauma including blunt versus penetrating mechanisms, evisceration, and impaled object.
- 4.13.6. Apply fundamental depth, simple breadth of knowledge on the pathophysiology, assessment and management of abdominal and genitourinary trauma including solid and hollow organ injuries, blunt versus penetrating mechanisms, evisceration, injuries to the external genitalia, vaginal bleeding due to trauma, and sexual assault.
- 4.13.7. Apply simple depth, simple breadth of knowledge in the recognition and management of orthopedic trauma including open fractures, closed fractures, dislocations, and amputations.
- 4.13.8. Apply fundamental depth, foundational breadth of knowledge in the pathophysiology, assessment, and management of orthopedic trauma including upper and lower extremity orthopedic trauma, open fractures, closed fractures, dislocations, sprains/strains, pelvic fractures, and amputations/replantation.
- 4.13.9. Apply simple depth, simple breadth of knowledge on the recognition and management of soft tissue trauma including wounds, burns (electrical, chemical, thermal), and chemicals in the eye and on the skin.
- 4.13.10. Apply fundamental depth, foundational breadth of knowledge on the pathophysiology, assessment, and management of soft tissue trauma including wounds (avulsions, bite wounds, lacerations, puncture wounds, incisions) and burns (electrical, chemical, thermal, radiation).
- 4.13.11. Apply simple depth, simple breadth of knowledge on soft tissue trauma due to crush syndrome.
- 4.13.12. Apply simple depth, simple breadth of knowledge on the recognition and management of head, facial, neck, and spine trauma including life threats, head and spine trauma, and mechanism of injury.
- 4.13.13. Apply fundamental depth, foundational breadth of knowledge on the pathophysiology, assessment, and management of head, facial, neck, and spine trauma including penetrating neck trauma, laryngeotracheal injuries, and spine trauma.
- 4.13.14. Apply simple depth, simple breadth of knowledge on head, facial, neck, and spine trauma including facial fractures, skull fractures, foreign bodies in the eyes, and dental trauma.
- 4.13.15. Apply fundamental depth, foundational breadth of knowledge on the pathophysiology, assessment, and management of nervous system trauma including traumatic brain injury and spinal cord injury.
- 4.13.16. Apply simple depth, simple breadth of knowledge in the recognition and management of trauma in the pregnant patient, pediatric patient, and geriatric patient.
- 4.13.17. Apply fundamental depth, foundational breadth of knowledge in the

re Pathway Page 8

	Δ 13	patient, pediati patient.	ric pa	tient, geriatr	ic pat	ient, an	d the	trauma in the pregnant cognitively impaired
	4.13	4.13.18. Apply simple depth, simple breadth of knowledge in the recognition and management of environmental emergencies including water and ice injury and temperature-related illness.						
	4.13	4.13.19. Apply fundamental depth, foundational breadth of knowledge in the pathophysiology, assessment, and management of environmental						
		emergencies including near drowning, temperature-related illness, bites and envenomations, dysbarism (high-altitude, diving injuries), electrical injury, and radiation exposure.						
	4.13	4.13.20. Apply simple depth, simple breadth of knowledge in the recognition and management of multisystem trauma.						
	4.13	4.13.21. Apply fundamental depth, foundational breadth of knowledge in the pathophysiology, assessment, and management of multisystem trauma and						
		blast injuries.	,,,					
Pathways		Criminal Justice			Χ	Fire		
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Х	Does not apply

Outcome	4.14. Special Patient Populations: Apply a fundamental knowledge of growth,
	development, and aging and assessment findings to provide basic emergency
	care and transportation for a patient with special needs.
Competencies	4.14.1. Apply simple depth, simple breadth of knowledge in the recognition and
	management of a normal delivery, vaginal bleeding in the pregnant patient,
	assessment of the pregnant patient, management of normal delivery,
	recognition of abnormal delivery, placenta previa, and spontaneous
	abortion/miscarriage.
	4.14.2. Apply fundamental depth, foundational breadth of knowledge on obstetrics
	including the anatomy and physiology of normal pregnancy,
	pathophysiology of complications of pregnancy, assessment of the pregnant
	patient, management of normal delivery, abnormal delivery (nuchal cord,
	prolapsed cord, breech delivery), third trimester bleeding (placenta previa,
	abruptio placenta), spontaneous abortion/miscarriage, ectopic pregnancy,
	and preeclampsia/eclampsia.
	4.14.3. Apply simple depth, simple breadth of knowledge in newborn care and
	neonatal resuscitation.
	4.14.4. Apply fundamental depth, foundational breadth of knowledge on neonatal
	care assessment and management including newborn and neonatal resuscitation.
	4.14.5. Apply simple depth, simple breadth of knowledge on age-related
	assessment findings and age-related assessment and treatment
	modifications for pediatric-specific major diseases and/or emergencies
	including upper airway obstruction, lower airway reactive disease,
	respiratory distress/failure/arrest, shock, seizures, and Sudden Infant Death
	Syndrome.
	4.14.6. Apply fundamental depth, foundational breadth of knowledge on age-
	related assessment findings and age-related and developmental-stage-

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	related assessment and treatment modifications for pediatric-specific major						
	diseases and/or emergencies including upper airway obstruction, lower						
	airway reactive disease, respiratory distress/failure/arrest, shock, seizures,						
	Sudden Infant Death Syndrome, and gastrointestinal disease.						
	4.14.7. Apply simple depth, simple breadth of knowledge on the impact of age-						
	related changes on assessment and care in geriatrics.						
	4.14.8. Apply fundamental depth, foundational breadth of knowledge on changes						
	associated with aging, psychosocial aspects of aging, and age-related						
	assessment and treatment modifications for the major or common geriatric						
	diseases and/or emergencies including cardiovascular diseases, respiratory						
	diseases, neurological diseases, endocrine diseases, Alzheimer's, and						
	dementia.						
	4.14.9. Apply simple depth, simple breadth of knowledge on patients with special						
	challenges on recognizing and reporting abuse and neglect.						
	4.14.10. Apply simple depth, simple breadth of knowledge on the healthcare						
	implications of patients with special challenges including abuse, neglect,						
	homelessness, poverty, bariatrics, technology dependent, hospice/						
	terminally ill, tracheostomy care/dysfunction, homecare, sensory						
	deficit/loss, and developmental disability.						
Pathways	Criminal Justice X Fire						
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply						

Outcome	4.15. Emergency Medical Services (EMS) Operations: Apply knowledge of
	operational roles and responsibilities to ensure patient, public, and
	personnel safety.
Competencies	4.15.1. Apply simple depth, simple breadth of knowledge on the principles of safely
	operating a ground ambulance including the risks and responsibilities of
	emergency response.
	4.15.2. Apply simple depth, simple breadth of knowledge on the principles of safely
	operating a ground ambulance including the risks and responsibilities of
	transport.
	4.15.3. Apply fundamental depth, foundational breadth of knowledge on incident
	management including establishing and working within the incident
	management system.
	4.15.4. Apply simple depth, simple breadth of knowledge on multiple causality
	incidents including triage principles and resource management.
	4.15.5. Apply simple depth, foundational breadth of knowledge on multiple
	casualty incidents including triage, performing, retriage, destination
	decisions, and posttraumatic and cumulative stress.
	4.15.6. Apply simple depth, simple breadth of knowledge on safe air medical
	operations and criteria for utilizing air medical response.
	4.15.7. Apply simple depth, simple breadth of knowledge on safe vehicle extrication
	and use of simple hand tools.
	4.15.8. Apply simple depth, simple breadth of knowledge on the risks and
	responsibilities of operating in a cold zone at a hazardous material or other
	special incident.
	4.15.9. Apply simple depth, simple breadth of knowledge on the risks and

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	responsibilities of operating on the scene of a natural or man- made						
	disaster.						
Pathways	Criminal Justice			Χ	Fire		
<b>Green Practices</b>	Green-specific	Context-de	pende	ent	Х	Does not apply	

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Outcome	4.16. Clinical Behavior/Judgment: Practice skills in the clinical and field experience
0	requirements of the Emergency Medical Technician (EMT) curriculum.
Competencies	4.16.1. Perform a basic history and physical examination to identify acute
	complaints and monitor changes and identify the actual and potential
	complaints of emergency patients.
	4.16.2. Communicate in a culturally sensitive manner.
	4.16.3. Safely and effectively perform psychomotor skills within the National
	Emergency Medical Services (EMS) Scope of Practice Model and the Ohio
	Scope of Practice at the EMT level for airway and breathing (i.e., orotracheal
	intubation of pulseless and apneic patients with extraglottic or multilumen
	device, endotracheal suctioning through a stoma, positive pressure
	ventilation, manually triggered ventilators, automatic transport ventilators,
	supplemental oxygen therapy, Constant Positive Airway Pressure [CPAP]
	administration and management, end-tidal carbon dioxide [ETCO2]
	monitoring and detection, humidifiers, manually triggered ventilators,
	automatic transport ventilators, partial rebreather mask, venturi mask),
	assessment (i.e., blood glucose monitor and automatic Blood Pressure
	[B/P]), pharmacologic interventions (i.e., assist patients in taking their own
	prescribed medications, administration of over the counter [OTC]
	medications with medical oversight, oral glucose administration, aspirin for
	chest pain, and 12-lead EKG setup, application for electronic transmission),
	medical/cardiac care (i.e., mechanical cardiopulmonary resuscitation [CPR]
	and assisted complicated delivery), and trauma care (i.e., spinal
	immobilization, cervical collars, seated, longboard, rapid extrication,
	splinting, extremity, traction, Pneumatic Anti-Shock Garment [PASG],
	helmet removal, mechanical patient restraint, tourniquet).
	4.16.4. Demonstrate professional behavior including (but not limited to) integrity,
	empathy, self-motivation, appearance/personal hygiene, self-confidence,
	communications, time management, teamwork/diplomacy, respect, patient
	advocacy, and careful delivery of service.
	4.16.5. Initiate basic interventions based on assessment findings intended to
	mitigate the emergency and provide limited symptom relief while providing
	access to definitive care.
	4.16.6. Report and document assessment data and interventions.
	4.16.7. Perform a patient assessment and provide prehospital emergency care and
	transportation for patient complaints (i.e., abdominal pain, abuse/neglect,
	altered mental status/decreased level of consciousness, anxiety, apnea,
	ataxia, back pain, behavioral emergency, bleeding, cardiac arrest, cardiac
	rhythm disturbances, chest pain, constipation, cyanosis, dehydration,
	diarrhea, dizziness/vertigo, dysphasia, dyspnea, edema, eye pain, fatigue,
	fever, gastrointestinal [GI] bleeding, headache, hematuria, hemoptysis,
	hypertension, hypotension, joint pain/swelling, multiple trauma,

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		nausea/vomiting, pain, paralysis, pediatric crying/fussiness, poisoning, rash,						
		rectal pain, shock, sore throat, stridor/drooling, syncope, urinary retention,						
		visual disturbances, weakness, wheezing).						
	4.16	.16.8. Serve as an entry-level EMS team member on an emergency call wit						
			•					a team leader following
		additional train				and ser	ve as	a team leader rollowing
	116	5.9. Ensure the safe	_			thore du	ring	an amargancy
	_		•				_	• ,
	4.16	5.10. Complete all cli			•			
		Administrative Code (OAC) 4765-15-05, EMT Curriculum, prior to receiving a						
		certificate of completion.						
	4.16	4.16.11. Complete at least ten hours of clinical and/or field experience.						
	4.16	4.16.12. Observe emergency department operations for a period of time sufficient to						
		gain an appreciation for the continuum of care.						
	1 16	4.16.13. Perform ten patient assessments in an emergency department, ambulance,						denartment ambulance
	7.10							
		clinic, nursing home, doctor's office,., or on standardized patients if clinical						
		settings are not available.						
	4.16.14. Participate in and document patient contacts in a field experience approved							
		by the medical	direc	tor and prog	ram d	lirector.		
Pathways		Criminal Justice		<u> </u>	Χ	Fire		
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Χ	Does not apply

## Fire Course 3. Firefighter I

**Description:** Firefighter I introduces students to firefighter safety and development. Students will analyze Ohio Department of Public Safety Fire protection rules and regulations, proper incident reporting and records, proper use of personal protections equipment, and the principles of fire safety.

Outcome	5.1.	Organization and	Mission: Evolai	the o	rganizat	ion r	nission statement
Outcome	J.1.	5.1. Organization and Mission: Explain the organization, mission statement, policies, and procedures of a fire department and explain the role of a					
		Firefighter 1 within the organization. Communicate the value of fire and life					
		safety initiatives to reduce line of duty deaths and injuries along with the					
		•		-		-	addressing the well-
			·				nission statement,
		policies, and proc	•		_		
				•			ledge Requirements]
		National Fire Prot	_				• •
Competencies	5.1.2						mber assistance
Competences	0.1		•	•			partment Occupational
		Safety and Hea	•				partitione o coapational
	5.1.2	•	-	vice.			
	5.1.3				epartme	ent.	
	5.1.4		_		-		nization.
	5.1.5		_			_	cedures, rules, and
		•	hey apply to fire		•	<b>.</b>	, ,
	5.1.6	~		-		e to t	the department.
	5.1.7		_		•		ipporting the fire
		department's mission and to reduce the line of duty deaths.					
Pathways		Criminal Justice		Х	Fire		
<b>Green Practices</b>		Green-specific	Context-o	epend	ent	Х	Does not apply
Outcome	5.2.	Personal Emergen	cy Equipment: [	emon	strate ho	ow to	don and doff personal
	5.2.	Personal Emergen	cy Equipment: [ g and prepare cl	emons othing	strate ho	ow to e and	don and doff personal I locate information using
	5.2.	Personal Emergen protective clothing department docur	cy Equipment: I g and prepare cl ments along wit	emons othing n stand	strate ho for reus ards and	ow to e and d cod	don and doff personal l locate information usinន e materials. ([General
	5.2.	Personal Emergen protective clothing department docur Skills Requirement	cy Equipment: I g and prepare cl ments along wit	emons othing n stand	strate ho for reus ards and	ow to e and d cod	don and doff personal I locate information using
Outcome		Personal Emergen protective clothing department docur Skills Requirement 5.1.2) <b>5.2</b>	cy Equipment: [ g and prepare cl ments along wit ] National Fire I	emons othing othing rstand	strate ho for reus ards and ion Asso	ow to e and d cod ociatio	don and doff personal I locate information using e materials. ([General on [NFPA] 1001 Ch.
	5.2.1	Personal Emergen protective clothing department docur Skills Requirement 5.1.2) <b>5.2</b> L. Perform the ab	cy Equipment: [g and prepare cl ments along wit t] National Fire I	Demons othing of stand Protect	strate ho for reus ards and ion Asso otective	ow to e and d cod ociation	don and doff personal I locate information using e materials. ([General on [NFPA] 1001 Ch. ning within one minute.
Outcome		Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  Deform the ab Perform the ab	cy Equipment: [g and prepare cl ments along wit t] National Fire I	Demons othing of stand Protect	strate ho for reus ards and ion Asso otective	ow to e and d cod ociation	don and doff personal I locate information using e materials. ([General on [NFPA] 1001 Ch.
Outcome	5.2.2 5.2.2	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  Perform the ab reuse.	cy Equipment: [ g and prepare cl ments along wit t] National Fire I ility to don pers ility to doff pers	Demons othing on stand Protect onal pronal pro	strate ho for reus ards and ion Asso otective	ow to e and d cod ociation e cloth	don and doff personal don and doff personal donate information using e materials. ([General on [NFPA] 1001 Ch. ning within one minute. hing and prepare for
Outcome	5.2.1	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  Deform the ab Perform the ab reuse.  Locate and clar	cy Equipment: [g and prepare cl ments along wit t] National Fire l ility to don pers ility to doff pers	Demons othing on stand Protect onal pronal pro	strate ho for reus ards and ion Asso otective	ow to e and d cod ociation e cloth	don and doff personal I locate information using e materials. ([General on [NFPA] 1001 Ch. ning within one minute.
Outcome  Competencies	5.2.2 5.2.2	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  Deform the ab Perform the ab reuse.  Locate and clar code materials.	cy Equipment: [g and prepare cl ments along wit t] National Fire l ility to don pers ility to doff pers	Demons othing in stand Protect onal pronal p	strate ho for reus ards and ion Asso otective otective rtment	ow to e and d cod ociation e cloth	don and doff personal don and doff personal donate information using e materials. ([General on [NFPA] 1001 Ch. ning within one minute. hing and prepare for
Outcome  Competencies  Pathways	5.2.2 5.2.2	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  Deform the ab Perform the ab reuse.  Locate and clar code materials.  Criminal Justice	cy Equipment: [ g and prepare cl ments along wit t] National Fire I ility to don pers ility to doff pers	Demonsothing of stand Protect onal pronal pro	strate ho for reus ards and ion Asso otective otective rtment	ow to e and d cod ociation e cloth e cloth docui	don and doff personal donal donal donal doff personal donal
Outcome  Competencies	5.2.2 5.2.2	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  Deform the ab Perform the ab reuse.  Locate and clar code materials.	cy Equipment: [g and prepare cl ments along wit t] National Fire l ility to don pers ility to doff pers	Demonsothing of stand Protect onal pronal pro	strate ho for reus ards and ion Asso otective otective rtment	ow to e and d cod ociation e cloth	don and doff personal don and doff personal donate information using e materials. ([General on [NFPA] 1001 Ch. ning within one minute. hing and prepare for
Outcome  Competencies  Pathways Green Practices	5.2.2 5.2.2 5.2.3	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  L. Perform the ab Perform the ab reuse.  Locate and clar code materials.  Criminal Justice  Green-specific	cy Equipment: [g and prepare cl ments along wit t] National Fire I ility to don pers ility to doff pers ify information	Demonsothing in stand Protect onal protect o	strate ho for reus ards and ion Asso otective otective rtment Fire ent	ow to e and d cod ociation e cloth docum	don and doff personal locate information using e materials. ([General on [NFPA] 1001 Ch. hing within one minute. hing and prepare for ments, standards, and
Outcome  Competencies  Pathways	5.2.2 5.2.2	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  L. Perform the ab Perform the ab reuse. Locate and clar code materials. Criminal Justice Green-specific  Communication: E	cy Equipment: [ g and prepare cl ments along wit t] National Fire I ility to don pers ility to doff pers ify information  Context-c	Demonsothing of stand Protect onal pronal pr	for reus ards and ion Asso otective rotective rtment Fire ent	e and cod ociation oc	don and doff personal docate information using e materials. ([General on [NFPA] 1001 Ch. hing within one minute. hing and prepare for ments, standards, and Does not apply
Outcome  Competencies  Pathways Green Practices	5.2.2 5.2.2 5.2.3	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  L. Perform the ab Perform the ab reuse. Locate and clar code materials. Criminal Justice Green-specific  Communication: E communicating an	cy Equipment: I g and prepare cl ments along wit t] National Fire I ility to don pers ility to doff pers ify information  Context-c	Demonsothing or stand or otect onal pronal p	strate hor for reus ands and and otective otective or	cess a	don and doff personal docate information using e materials. ([General on [NFPA] 1001 Ch. hing within one minute. hing and prepare for ments, standards, and Does not apply and list different ways of e the use of basic fire
Outcome  Competencies  Pathways Green Practices	5.2.2 5.2.2 5.2.3	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  L. Perform the ab Perform the ab reuse.  Locate and clar code materials.  Criminal Justice  Green-specific  Communication: E communicating an department comm	cy Equipment: I g and prepare cl ments along wit t] National Fire I ility to don pers ility to doff pers ify information  Context-o	Demonsothing in stand Protect onal protect onal protect in department of the second on	strate hor for reus ards and ion Associated ivertives artment    Fire ent   Fire ent   Construction procession is converted in the converted i	cess anstratey em	don and doff personal docate information using ematerials. ([General on [NFPA] 1001 Ch. hing within one minute. hing and prepare for ments, standards, and Does not apply and list different ways of e the use of basic fire ergency and
Outcome  Competencies  Pathways Green Practices	5.2.2 5.2.2 5.2.3	Personal Emergen protective clothing department docur Skills Requirement 5.1.2)5.2  L. Perform the ab Perform the ab reuse. Locate and clar code materials. Criminal Justice Green-specific  Communication: E communicating an department communicating and department communication: In the communication of the communicating and department communication in the communication of the communicat	cy Equipment: I g and prepare cl ments along wit t] National Fire I ility to don pers ility to doff pers ify information  Context-o explain the commod initiating a re nunication equipormation with p	Demonsothing in stand Protect onal pronal pr	strate hor for reus ards and ion Associated ivertiment.  Fire ent tion process of conversion conversions are sent are se	cess and or	don and doff personal docate information using e materials. ([General on [NFPA] 1001 Ch. hing within one minute. hing and prepare for ments, standards, and Does not apply and list different ways of e the use of basic fire

	[NFPA] 1001 Ch. 5.2-5.2.4) <b>5.3</b>					
Competencies	5.3.1. Explain the procedures for reporting emergency, departmental standard					
	operating procedures (SOPs) for taking and receiving alarms, radio codes or					
	procedures, and information needs to dispatcher.					
	5.3.2. Demonstrate the ability to operate fire department communications					
	equipment, relay information, and record information.					
	5.3.3. Discuss the fire department procedures for answering nonemergency					
	telephone calls.					
	5.3.4. Demonstrate the ability to operate fire station telephone and intercom					
	equipment.					
	5.3.5. Discuss the departmental radio procedures and etiquette for routine traffic,					
	emergency traffic, and emergency evacuation signals.					
	5.3.6. Perform the ability to operate radio equipment and discriminate between					
	routine and emergency traffic.					
	5.3.7. Discuss personnel accountability systems.					
	5.3.8. Discuss emergency communications procedures and emergency evacuation					
	methods.					
	5.3.9. Demonstrate an emergency call for assistance and use alternative methods					
	for requesting assistance.					
Pathways	Criminal Justice X Fire					
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply					

Outcome	do So in lo po ao	elf-Contained Breathing Apparatus (SCBA): Explain knowledge of and emonstrate the ability to: 1) wear, operate, and monitor air supply of an CBA, 2) use emergency techniques, procedures, and built-in functions, icluding warning devices, in case of equipment malfunctions or activation of ow air alarm, 3) exit a structure prior to air cylinder depletion, 4) wear rotective equipment while mounting, riding, and dismounting fire apparatus, and 5) establish and work safely in designated work areas. ([Fire Ground
		perations–SCBA] National Fire Protection Association [NFPA] 1001 Ch. 5.3–3.3) <b>5.4</b>
Competencies	5.4.1.	List and discuss the components that make up the SCBA assembly including low air alarms.
	5.4.2.	Convey breathing techniques while wearing SCBA.
	5.4.3.	Describe the indicators for and discuss possible emergency procedures while wearing SCBA.
	5.4.4.	List the physical requirements for wearing SCBA.
	5.4.5.	Exit a restricted passage while wearing full personal protective equipment (PPE) and breathing air from a SCBA unit.
	5.4.6.	Demonstrate the ability to control breathing while breathing air from an SCBA unit.
	5.4.7.	Replace a depleted air cylinder with a full air cylinder on an SCBA unit.
	5.4.8.	Demonstrate emergency procedures taken in the event of an SCBA failure or air cylinder depletion.
	5.4.9.	Don all personal protective clothing and equipment correctly within two minutes, breathing air and pass device activated.
	5.4.10.	Discuss the mounting and dismounting procedures for riding fire and

		Emergency Medical Services (EMS) apparatus.						
	5.4.1	<ol> <li>Describe the had</li> </ol>	zard	s and ways to	avoi	d hazard	ds tha	it cause accidents
		associated with	sociated with riding fire and EMS apparatus.					
	5.4.1	<ol><li>List the practice</li></ol>	t the practices that are prohibited while riding fire and EMS apparatus.					
	5.4.1	<ol><li>List the commo</li></ol>	n typ	es of PPE use	ed wh	ile ridin	g on f	fire and EMS apparatus.
	5.4.1	<ol><li>Demonstrate th</li></ol>	ne pr	oper use for $\epsilon$	each <sub>l</sub>	piece of	safet	y equipment provided,
		including weari	cluding wearing seat belts.					
	5.4.1	5. Explain the potential hazards involved in operating at emergency scenes						
		including traffic	including traffic control, utilities, and environmental conditions.					
	5.4.1	<ol><li>Describe the pr</li></ol>	Describe the proper procedures for dismounting fire and EMS apparatus in					
		traffic and at of	traffic and at other emergency and nonemergency scenes.					
	5.4.1	<ol><li>Explain the pro</li></ol>	Explain the procedures and use of different types of protective equipment					
		available to ens	available to ensure the user's safety, while operating at emergency scenes					
		and work zone designations.						
	5.4.1	18. Demonstrate how to safely dismount apparatus, don appropriate safety						
	equipment for the given situation, and deploy traffic and scene control							
		devices to prot	ect tł	ne work area.	1			
Pathways		Criminal Justice			Χ	Fire		
<b>Green Practices</b>		Green-specific		Context-de	pende	nt	Χ	Does not apply

Outcome	5.5. Entry Techniques: Identify common methods and perform forcible entry techniques through various types of doors, windows, walls, and the locking mechanisms using powered and nonpowered equipment and tools. ([Fire Ground Operations—Forcible Entry] National Fire Protection Association [NFPA] 1001 Ch.5.3.4)5.5						
Competencies	<ul> <li>5.5.1. List the basic construction of typical doors, windows, and walls found within the community or service area.</li> <li>5.5.2. Explain the operation of a variety of doors, windows, and locks used within the community or service area.</li> <li>5.5.3. Convey dangers associated when forcing entry through doors, windows,</li> </ul>						
	walls, and locks.  5.5.4. Demonstrate how to safely carry, operate, and use common forcible entry tools to force entry through doors, windows, walls, and locks.						
Pathways	Criminal Justice X Fire						
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply						

Outcome	5.6. Safe Egress: Demonstrate as a team how to safely exit a hazardous						
	environment, with zero visibility conditions, into a safe environment, without						
	depleting your air supply and while maintaining team integrity. ([Fire Ground						
	Operations–Exit Hazardous Area] National Fire Protection Association [NFPA]						
	1001 Ch.5.3.5 ) <b>5.6</b>						
Competencies	5.6.1. Define emergency radio traffic communication procedures, and emergency						
	evacuation signals/methods.						
	5.6.2. Describe personnel accountability systems, emergency escape, and what						
	constitutes a safe haven.						
	5.6.3. Describe the emergency procedures for loss of air supply.						
	5.6.4. List the elements that create and/or indicate a hazardous environment.						

	5.6.5 5.6.5	all available ser 5. Exit a hazardou following the li	nses t is are ne to	o evaluate fo a by searchin a safe haven	r haz g for	ards. and find	ling a	guide line then preathing apparatus
Pathways		Criminal Justice			Χ	Fire		
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Х	Does not apply

Outcome	5.7.	5.7. Ladders: Explain the knowledge needed and demonstrate the skills required to					
		select, carry, place, raise, extend, climb, and work off of ladders. ([Fire Ground					
		Operations—Ladders] National Fire Protection Association [NFPA] 1001					
		Ch.5.3.6) <b>5.7</b>					
Competencies	5.7.	.1. List the parts o	f an e	extension ladder.			
	5.7.	.2. Explain the haz	ards	associated with setting up	grou	nd ladders.	
	5.7.	.3. Explain what co	onstit	cutes a stable foundation fo	or lad	lder placement.	
	5.7.	.4. Describe the di	iffere	nt climbing angles needed	for s	afe completion of various	
		tasks along with extending fly sections, assuring the fly section is locked.					
	5.7.	5.7.5. Explain what constitutes a reliable structural component for tip placement.					
	5.7.	5.7.6. Demonstrate carries and raises for single and extension ladders along with					
		extending fly sections, assuring the fly section is locked.					
	5.7.	5.7.7. Establish with certainty that a wall or roof will support a ladder and that the					
		ladder is at the correct climbing angle for the given task.					
	5.7.	5.7.8. Select the correct length extension ladder for a given height and properly					
		place the ladder addressing and avoiding safety hazards.					
	5.7.	5.7.9. Climb and leg lock an extension ladder.					
	5.7.	5.7.10. Climb and leg lock an extension ladder and work with a tool.					
Pathways		Criminal Justice X Fire					
<b>Green Practices</b>		Green-specific		Context-dependent	Х	Does not apply	

Outcome	5.8. Vehicle Fires: Explain knowledge of and demonstrate the performance required							
	to identify multiple hazards associated with vehicle fires, and use the correct							
	techniques for controlling and extinguishing a vehicle fire. Force entry into all							
	locked compartments. ([Fire Ground Operations-Vehicle Fires] National Fire							
	Protection Association [NFPA] 1001 Ch. 5.3.7) <b>5.8</b>							
Competencies	5.8.1. Convey the principles of fire streams as they relate to fighting vehicle fires.							
	5.8.2. List the dangerous conditions created during a vehicle fire, along with the							
	precautions taken when advancing hose lines towards these types of fires.							
	5.8.3. Describe the desire observable results of a properly applied fire stream to a vehicle fire.							
	5.8.4. Identify types of alternative fueled vehicles and list the hazards associated with each vehicle type.							
	5.8.5. Disclose the types of injuries associated with extinguishing vehicle fires along with procedures for avoiding these injuries.							
	5.8.6. Describe how to gain entry into locked trunks, engine compartments, and passenger compartments.							
	5.8.7. List procedures for conducting a safe and effective overhaul after							

Pathways

**Green Practices** 

	ı			1.6				
		extinguishing a						
	5.8.8.		-			_	L½" or larger diameter	
		-		-			num effectiveness, and	
		extinguishing the vehicle fire while maintaining flash fire protection.						
	5.8.9.	5.8.9. Access all locked and unlocked compartments to expose and extinguish						
		hidden fires.						
	5.8.10	. Identify vehicle	's fu	el type and use pro	per pro	cedu	res for controlling fuel	
		leaks.					_	
	5.8.11	. Identify danger	ous	conditions created	during a	a veh	icle fire.	
Pathways	С	Criminal Justice		Х	Fire			
Green Practices		Green-specific		Context-depende		Х	Does not apply	
							2000	
Outcome	5.9. Ir	nspecting Materia	ls Sto	rage: Explain the m	nethods	and	demonstrate the	
341000				•			red materials on fire, 2)	
		· · · · · · · · · · · · · · · · · · ·					cked/stored materials	
		_	_				iling stacked and stored	
		•			-			
							origin and cause, and	
							acked Class A Fires]	
				Association [NFPA]				
Competencies	5.9.1.					s app	propriate for attacking	
		•		ials and outdoor fir				
	5.9.2.		anger	rs such as a collapse	e associ	ated	with stacked and piled	
		materials.						
	5.9.3.				_	_	should perform to	
		extinguish diffe	erent	materials and mate	erial coi	าfiguเ	rations.	
	5.9.4.	List methods, a	long	with the tools requ	iired, to	brea	ak up various types of	
		materials and t	he di	fficulties related to	comple	ete ex	xtinguishment.	
	5.9.5.	Describe the m	etho	ds used for water a	pplicati	on fo	or exposure protecting	
		and fire suppre	ssior	١.				
	5.9.6.	List the hazards	s (e.g	., collapse, toxic fui	mes, ha	zardo	ous materials) that may	
		be found durin	g fire	s in building, storag	ge facili	ties, a	and containers.	
	5.9.7.		_				ist the techniques for	
			_	e related evidence.			•	
	5.9.8.				nt haza	rds re	elated to the materials	
			•	perate hand lines a				
	5.9.9.	~					nd tools, apply water	
	5.5.5.			te for complete ext		_		
	5.9.10			•	_		ation of fire origin while	
	5.5.10			•			olete extinguishment.	
	5.9.11					-	hniques for maximum	
	0.5.11	Operate nose n		and other water ap	piicatio	וונפנ	iiiiques ioi iiiaxiiiiuiii	

Outcome	5.10. Search and Rescue: Explain the methods for and demonstrate entering a
	structure using various entry points, performing a comprehensive primary
	search and rescue/removal of a victim found in an obscured visibility

penetration and search for expose hidden fire.

X Fire

Х

Does not apply

Context-dependent

Criminal Justice

Green-specific

						_		ondary search while				
		•			•	•		Operations–Search and				
		Rescue] National						·				
Competencies	5.10	5.10.1. List and describe the proper use of forcible entry tools used during										
		structural resci										
	5.10	0.2. Describe the proper placement of ground and aerial ladders during										
		structural rescue operations.										
	5.10	0.3. Describe the physiological effects of operating in obscured conditions and										
		ways to effectively manage them.										
	5.10	0.4. Describe meth	ods to	o determine i	f an a	rea is te	nabl	e and safe for interior				
		operations.										
		0.5. Describe the p	•	•				-				
		0.6. Describe the p	•	•				'				
	5.10				nber's	roles ar	nd go	als during a structural				
		search and res		•								
	5.10			rious method	ls to lo	ocate vio	ctims	during a search and				
		rescue operation										
	5.10							ove victims from a				
		structure, on v			_			-				
	5.10	0.10. Demonstrate t					_					
				•			_	apparatus (SCBA).				
	5.10	0.11. Demonstrate t	he pr	oper placeme	ent ar	d use of	flado	lers during rescue				
		operations.										
		).12. Demonstrate a		_				_				
		0.13. Demonstrate a		_				_				
		).14. Demonstrate a				•		, ·				
	5.10		he pr	oper techniq	ues fo	r assess	ing t	he tenability of a given				
_		area.										
Pathways		Criminal Justice			Χ	Fire	l					
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Χ	Does not apply				

Outcome	5.11. Structure Fires: Explain procedures for and demonstrate how to: 1) deploy, extend, and replace attach lines, 2) enter a structure using various entry points, control and extinguish a fire using effective water application techniques for above grade and below grade fires, 3) maintain team integrity, 4) conduct an effective overhaul. ([Fire Ground Operations—Fire Control] National Fire
	Protection Association [NFPA] 1001 Ch. 5.3.10. Note: National Fire Protection
	Association [NFPA] 1403, Standard on Live Fire Training Evolutions, applies.)5.11
	11 /
Competencies	5.11.1. List the various types of fire streams used for an interior fire attach.
	5.11.2. Describe the design, operation, nozzle pressure effects, and flow capabilities
	of various types of fog nozzles.
	5.11.3. Describe the design, operation, nozzle pressure effects, and flow capabilities
	of various types of smooth bore nozzles.
	5.11.4. Describe the design, operation, nozzle pressure effects, and flow capabilities
	of various types of specialty nozzles.
	5.11.5. List and describe the precaution to be followed when advancing hose lines

- to a fire.
- 5.11.6. Describe the observable results of a properly applied fire stream.
- 5.11.7. Describe various dangerous building conditions created as the result of a fire.
- 5.11.8. Describe the basic principles of exposure protection.
- 5.11.9. List and describe the potential long-term consequences of exposure to products of combustion for a firefighter.
- 5.11.10. List and describe the physical state of matter in which fuels are found.
- 5.11.11. Describe common types of accidents or injuries and their causes that may occur on the fire ground.
- 5.11.12. Describe the proper placement and application of a small diameter (1½" to 2") attach line.
- 5.11.13. Describe the proper placement application of a medium diameter  $(2\frac{1}{2})$  attach line.
- 5.11.14. Describe the role of a backup team during an interior fire attack.
- 5.11.15. Describe the proper fire attack methods for a grade-level fire.
- 5.11.16. Describe the proper fire attack methods for an above-grade-level fire.
- 5.11.17. Describe the proper fire attack methods for a below-grade-level fire.
- 5.11.18. Describe the proper methods for locating and exposing hidden fires.
- 5.11.19. Demonstrate the proper methods to prevent water hammer when shutting down nozzles.
- 5.11.20. Demonstrate the ability to properly open, close, and adjust nozzle flow and patterns on various automatic and adjustable fog nozzles.
- 5.11.21. Demonstrate the ability property open and close various smooth bore nozzles.
- 5.11.22. Demonstrate the proper procedures for applying water using a direct fire attack.
- 5.11.23. Demonstrate the proper procedures for applying water using an indirect fire attack.
- 5.11.24. Demonstrate the proper procedures for applying water using a combination fire attack.
- 5.11.25. Demonstrate the proper procedure for advancing a 1%" or larger diameter hose up ladders.
- 5.11.26. Demonstrate the proper procedure for advancing a 1½" or larger diameter hose up stairways.
- 5.11.27. Demonstrate the proper procedure for advancing a 1½" or larger diameter hose down stairways.
- 5.11.28. Demonstrate the proper methods for extending hose lines.
- 5.11.29. Demonstrate the proper methods for replacing burst or broken sections of hose.
- 5.11.30. Operate charged hose line of  $1\frac{1}{2}$ " diameter or larger while secured to a ground ladder.
- 5.11.31. Demonstrate the proper methods for coupling and uncoupling various size hose connections.
- 5.11.32. Demonstrate the proper fire attack methods for a grade-level fire.
- 5.11.33. Demonstrate the proper attack methods for an above-grade-level fire.
- 5.11.34. Demonstrate the proper fire attack methods for a below-grade-level fire.
- 5.11.35. Locate and suppress interior wall fires.

Pathways	Criminal Justice			Χ	Fire		
<b>Green Practices</b>	Green-specific		Context-de	pende	ent	Χ	Does not apply

Outcome	5.12. Horizontal Ventilation: Identify the hazards associated with a structure needing											
	horizontal ventilation and demonstrate various types of horizontal ventilation											
	using natural and mechanical means to remove smoke, heat, and toxic gasses											
	from within the structure using appropriate tools, equipment, and procedures.											
	([Fire Ground Operations–Horizontal Ventilation] National Fire Protection											
	Association [NFPA] 1001 Ch. 5.3.11) <b>5.12</b>											
Competencies	5.12.1. List and describe the principles, advantages, limitations, and effects of											
	horizontal ventilation.											
	5.12.2. List and describe the principles, advantages, limitations, and effects of											
	mechanical ventilation.											
	5.12.3. List and describe the principles, advantages, limitations, and effects of											
	hydraulic ventilation.											
	5.12.4. List and describe the safety considerations when venting a structure.											
	5.12.5. Describe the behavior of fire as it relates to venting in a structure.											
	5.12.6. List and explain the products of combustion found in a structure fire.											
	5.12.7. List and explain the signs and cause of backdraft.											
	5.12.8. List and explain the effects of a backdraft.											
	5.12.9. Describe the methods to prevent a backdraft.											
	5.12.10. Explain the relationship of oxygen concentration to life safety.											
	5.12.11. Explain the relationship of oxygen concentration to fire growth.											
	5.12.12. Demonstrate the ability to properly carry and place a ladder to the structure											
	for ventilation.											
	5.12.13. Demonstrate the ability to properly carry various ventilation tools and											
	equipment to the location where they will be used.											
	5.12.14. Demonstrate the proper procedure for safely breaking glass in a window or											
Dath	door and removing all obstructions.											
Pathways	Criminal Justice X Fire											
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply											

Outcome	5.13. Vertical Ventilation: Identify the hazards associated with a structure needing								
	vertical ventilation and demonstrate vertical ventilation to remove smoke,								
	heat, and toxic gasses from within the structure using the appropriate tools,								
	equipment, and procedures. ([Fire Ground Operations–Vertical Ventilation]								
	National Fire Protection Association [NFPA] 1001 Ch. 5.3.12)5.12 or 5.13???								
Competencies	5.13.1. Discuss the methods of heat transfer.								
	5.13.2. Describe the principles of thermal layering within the structure on fire.								
	5.13.3. Discuss the techniques and safety precautions for venting flat roofs, pitched								
	roofs, and basements.								
	5.13.4. Explain the basic indicators of potential collapse or roof failure.								
	5.13.5. Describe the effects of construction type and elapsed time under fire								
	conditions on structural integrity.								
	5.13.6. Discuss the advantages and disadvantages of vertical and trench/strip								
	ventilation.								
	5.13.7. Demonstrate the ability to transport and operate ventilation tools and								

		equipment.	equipment.											
	5.13.8.	5.13.8. Demonstrate the ability to hoist ventilation tools to a roof.												
	5.13.9.	5.13.9. Perform the ability to cut roofing and flooring materials to vent flat roofs,												
		pitched roofs, and basements.												
	5.13.10	5.13.10. Demonstrate the ability to sound a roof for integrity.												
	5.13.11	5.13.11. Demonstrate the ability to clear an opening with hand tools.												
	5.13.12	5.13.12. Perform the ability to select, carry, deploy, and secure ground ladders for												
		ventilation acti	vities	•										
	5.13.13	3. Demonstrate th	าe de	ployment of	a roo	f ladder	on a	pitched roof while						
		secured to a gr	ound	ladder.										
	5.13.14	. Perform a carry	of v	entilation-rel	ated t	tools an	d equ	ipment while ascending						
		and descending	g lado	lers.										
Pathways	Cr	iminal Justice			Χ	Fire								
<b>Green Practices</b>	Gı	een-specific		Context-dependent X Does not apply										

Outcome	5.14	1. Structure Overhau	ıl: Ex	plain the pro	cess a	nd demo	onstr	ate the procedures for					
		conducting a safe and effective overhaul without compromising the structure,											
		using appropriate tools, equipment, and procedures, to extinguish all fire and											
		protect possible evidence. ([Fire Ground Operations–Overhaul] National Fire											
		Protection Association [NFPA] 1001 Ch. 5.3.13)5.14											
Competencies	5.14	I.1. List the types o	of fire	attack lines	and w	ater app	licat	ion devices most					
		effective for ov	/erha	ul.									
	5.14	I.2. Describe the w	ater	application m	etho	ds for ex	tingu	ishment that will limit					
		water damage.											
	5.14	5.14.3. List the types of tools and methods used to expose hidden fires.											
	5.14	5.14.4. Discuss the dangers associated with overhaul.											
	5.14		_		of or	igin, sigr	is of	arson, and reasons for					
		protecting evid	lence										
	5.14	I.6. Demonstrate t	he ab	ility to deplo	y and	operate	atta	ck lines during overhaul.					
	5.14	I.7. Demonstrate t	he ste	eps for remo	ving fl	ooring, o	ceilin	g, and wall material to					
		expose void sp	aces	without com	promi	sing stru	ıctur	al integrity.					
	5.14	I.8. Perform water	appli	ication for ma	aximu	m effect	tiven	ess during overhaul.					
	5.14				ing ar	nd exting	guishi	ing hidden fires in walls,					
		ceilings, and su	ıbfloc	or spaces.									
	5.14			•	ridenc	e, detec	t are	a of origin, and evaluate					
		for complete e	xting	uishment.									
Pathways		Criminal Justice			Χ	Fire							
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Χ	Does not apply					

Outcome	5.15. Salvage Operations: Explain the methods and demonstrate the actions required
	to conduct property conservation by covering unwanted openings,
	covering/protecting furnishings, stopping or rerouting water flow from
	sprinkler systems, removing charred materials, and protecting scene evidence.
	Clean, inspect, fold, and roll salvage covers to prepare for reuse. ([Fire Ground
	Operations—Property Conservation] National Fire Protection Association [NFPA]
	1001 Ch. 5.3.14) <b>5.15</b>
Competencies	5.15.1. Discuss the purpose of property conservation and its value to the public.

	5.15.2. Describe the methods used to protect property.											
	5.15.3	. List the types o	f and	uses for salv	age c	overs.						
	5.15.4. Discuss the operations at properties protected with automatic sprinklers.											
	5.15.5. Describe how to stop the flow of water from an automatic sprinkler head.											
	5.15.6	. Discuss the ide	ntific	ation of mair	cont	rol valve	es on	an automatic sprinkler				
		system.										
	5.15.7	. Discuss forcible	entr	y issues relat	ed to	salvage						
	5.15.8	. Demonstrate th	he ab	ility to cluste	r furr	iture.						
	5.15.9	. Demonstrate h	ow to	deploy cove	ering i	material	s.					
	5.15.1	0. Demonstrate h	ow to	roll and fold	l salva	age cove	ers fo	r reuse.				
	5.15.1	1. Demonstrate h	ow to	construct w	ater	chutes a	nd ca	tch-alls.				
	5.15.1	2. Demonstrate th	he pr	ocedures for	remo	ving wa	ter.					
	5.15.1	3. Demonstrate h	ow to	o cover buildi	ng op	enings,	inclu	ding doors, windows,				
		floor openings,	and	roof opening	s.							
	5.15.1	4. Perform the ste	eps to	separate, re	move	e, and re	locat	e charred material to a				
		safe location w	hile p	protecting the	e area	of origi	n for	fire determination				
	5.15.1	5. Demonstrate h	ow to	stop the flo	w of v	water fro	om a	sprinkler head with				
		sprinkler wedge	es or	stoppers.								
	5.15.1	6. Operate a mair	con	trol valve on	an au	tomatic	sprin	kler system.				
	5.15.1	7. Discuss proced	ures	for protecting	g pos	sible are	as of	origin and potential				
		evidence.										
Pathways	С	riminal Justice			Χ	Fire						
<b>Green Practices</b>	G	reen-specific		Context-de	pende	ent	Χ	Does not apply				

Outcome	5.16	6. W	ater Supply: Exp	lain t	he steps and	dem	onstrate	the p	procedures for: 1)			
	connecting supply hose to a hydrant and making a forward and reverse lay, 2)											
		operating a hydrant, 3) obtaining water from a suitable static water source that										
		ine	ncludes drafting from a portable water tank. ([Fire Ground Operations–Water									
		Su	pply] National F	ire Pr	otection Ass	ociati	on [NFP	A] 10	01 Ch. 5.3.15) <b>5.16</b>			
Competencies	5.16	5.1.	Discuss loading	and	offloading pr	oced	ures for	mobi	le water supply			
			apparatus.									
	5.16	5.2.	Describe fire hy	/dran	t operations.							
	5.16	5.3.	Discuss proced	ures a	and protocol	for co	onnectin	g to s	suitable static water			
			supply sources.									
	5.16	5.4.	Perform the ab	ility t	o hand lay a	suppl	y hose.					
	5.16	5.5.	Demonstrate h	ow to	connect and	d plac	e hard s	uctio	n hose for drafting			
			operations.									
	5.16	6.6.	Operate the de	ployr	ment of porta	able w	ater tar	ıks as	well as the equipment			
			necessary to tra	ansfe	r water betw	een a	ınd draft	fron	n them.			
	5.16	5.7.	Perform hydrar	nt-to-	pumper hose	e conr	nections	for fo	orward and reverse lays.			
	5.16	5.8.	Connect supply	hose	e to a hydran	t and	fully ope	en an	d close the hydrant.			
Pathways		Cri	minal Justice			Χ	Fire					
<b>Green Practices</b>		Gre	een-specific		Context-de	pende	ent	Χ	Does not apply			

Outcome	5.17. Fire Classification: Identify Class A, B, C, and K type fires and relate the fire to
	the appropriate type of fire extinguisher. Select the correct fire extinguisher
	then extinguish a Class A, B, and C type incipient fire. ([Fire Ground

		Operations-Portal	ble Fi	ire Extinguish	er] N	ational F	ire P	rotection Association				
		[NFPA] 1001 Ch. 5.3.16) <b>5.17</b>										
Competencies	5.17	5.17.1. List the different classifications of fire.										
	5.17	5.17.2. List the types of rating system for each classification of fire.										
	5.17	5.17.3. List the risks associated with each classification of fire.										
	5.17	5.17.4. Describe the operating methods of a portable extinguisher.										
	5.17	5.17.5. Describe the limitations of a portable extinguisher.										
	5.17	5.17.6. Demonstrate the ability to operate a portable extinguisher.										
	5.17	.7. Demonstrate h	ow to	o approach fi	re wit	h a port	able	extinguisher.				
	5.17	.8. Demonstrate h	ow to	o select an ag	prop	riate ext	ingui	sher based on the size				
		and type of fire					Ū					
	5.17	.9. Demonstrate h	ow to	safely carry	a por	table ex	tingu	isher.				
Pathways	Х	Criminal Justice			Χ	Fire						
<b>Green Practices</b>		Green-specific	Context-dependent X Does not apply									

Outcome	5.18	8. Scene Lighting: Ex	plain	the process	for ch	oosing t	he ap	propriate lighting
		system and placement of the lights for a given fire scene. Demonstrate the						
		procedures by cho	osin	g, deploying,	and s	afely illu	ımina	iting a fire scene
		scenario. ([Fire Gr	ound	Operations-	Scene	e Illumin	ation	] National Fire
		Protection Association [NFPA] 1001 Ch. 5.3.17) <b>5.18</b>						
Competencies	5.18	5.18.1. Discuss the safety principles and practices for using lighting equipment.						
	5.18	5.18.2. Describe power supply capabilities and limitations.						
	5.18	5.18.3. List the methods of light deployment.						
	5.18	5.18.4. Demonstrate the ability to operate department power supply units (e.g.,						
		generators, power take-off [PTO]).						
	5.18	5.18.5. Demonstrate the ability to operate lighting equipment (e.g., tripods, masts).						
	5.18	5.18.6. Demonstrate how to select and setup cords and connectors.						
	5.18	5.18.7. Demonstrate how to reset ground fault interrupter (GFI) devices and						
	apparatus breakers.							
	5.18	8.8. Demonstrate h	ow to	position ligl	nting	for optir	nal sa	afety and effect.
Pathways		Criminal Justice			Х	Fire		
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Х	Does not apply

Outcome	5.19. Utilities Shutoff: Identify the safety concerns and procedures for turning off the							
	gas, electric, and water supplies to a structure. Demonstrate the procedures							
	for shutting off the utilities. ([Fire Ground Operations–Turn Off Utilities]							
	National Fire Protection Association [NFPA] 1001 Ch. 5.3.18) <b>5.19</b>							
Competencies	5.19.1. List the properties and principles for utilities likely encountered (i.e.,							
	electricity, gas, water, hydraulic, pneumatic systems).							
	5.19.2. List the safety concerns for utilities likely encountered (i.e., electricity, gas,							
	water, hydraulic, pneumatic systems).							
	5.19.3. List the methods for rending utilities likely encountered safe (e.g., shutoff,							
	disconnection, lockout).							
	5.19.4. Describe the associated dangers related to rending utilities safe.							
	5.19.5. Describe the use of required safety equipment in rendering utilities safe.							
	5.19.6. Demonstrate the ability to identify utility control devices.							
	5.19.7. Demonstrate the ability to operate utility-related control valves or switches.							

	5.19.8. Demonstrate the ability to perform an assessment for utility-related							
		hazards.						
Pathways		Criminal Justice			Χ	Fire		
<b>Green Practices</b>		Green-specific		Context-dependent		Х	Does not apply	

Outcome	5.20. Ground Cover Fires: Identify the hazards associated with ground cover fires,						
	identify types and features of ground cover fires, and demonstrate						
	controlling/extinguishing fires using the appropriate fire lines, hose, tools, and						
	water applica	ion. ([Fi	re Ground Op	eratio	ns–Gro	und C	Cover Fires] National Fire
	Protection As	ociation	n [NFPA] 1001	Ch. 5	.3.19) <b>5.</b> 2	20	
Competencies	.20.1. List the fuel	classific	ations as they	relat	e to wild	lland	fires.
	.20.2. List the pa	ts of a v	vildland fire.				
	.20.3. Discuss the	method	ds used to app	roach	and att	ack v	vildland fires for
	containme	nt or sup	pression.				
	5.20.4. Discuss the safety principles and practices commonly used for wildland fire						
	containment and suppression.						
	5.20.5. Demonstrate the steps to determine exposure threats based on wildland						
	fire spread.						
	5.20.6. Demonstrate how the exposures are protected from spreading wildland						
	fires.						
	5.20.7. Demonstrate the steps to construct a fire line.						
	5.20.8. Demonstrate the steps to extinguish a wildland fire using hand tools.						
	5.20.9. Demonstrate the steps to maintain the integrity of established fire lines						
	against a spreading wildland fire.						
	-				ontaine	d wile	dland fire with water.
Pathways	Criminal Justic			Х	Fire		
<b>Green Practices</b>	Green-specific		Context-de	pende	ent	Х	Does not apply

Outcome	5.21. Rope Use: Explain the differences, care, maintenance, inspection, and uses for						
	life safety rope compared to utility rope and demonstrate hoisting tools using						
	the appropriate knots. ([Fire Ground Operations–Ground Cover Fires] National						
	Fire Protection Association [NFPA] 1001 Ch. 5.3.20) <b>5.21</b>						
Competencies	5.21.1. Discuss knot types and usages.						
	5.21.2. Describe the differences between life safety and utility rope.						
	5.21.3. Explain the reasons for placing rope out of service.						
	5.21.4. Discuss how the different types of knots are sued for given tools, ropes, or						
	situations.						
	5.21.5. Discuss how rope is used to support response activities.						
	5.21.6. Demonstrate the hoisting methods for tools and equipment.						
	5.21.7. Demonstrate hoisting tools and equipment using ropes and the correct knot.						
Pathways	Criminal Justice X Fire						
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply						

Outcome	5.22. Equipment Maintenance: Explain and demonstrate the proper methods for
	inspecting, cleaning, maintaining, and record keeping for: 1) basic tools and
	equipment, 2) ladders and ropes, 3) ventilation equipment and hose, 4) self-
	contained breathing apparatus (SCBA). Prepare hose for reuse by rolling and

		reloading into the hose bed. ([Preparedness and Maintenance] National Fire Protection Association [NFPA] 1001 Ch. 5.5–5.52)								
Competencies	5.22.	1. Describe the pro		_	-					
	<b>-</b> 22			_				artment guidelines.		
	5.22.	5.22.2. Describe the process for cleaning, inspection, maintenance, and record								
		keeping for ventilation equipment following manufacturer's or department guidelines.								
	5.22.	3. Describe the pr	ocess	for cleaning	, insp	ection, ı	maint	tenance, and record		
		keeping for SCE	3A fol	lowing manu	ıfactu	rer's or	depa	rtment guidelines.		
	5.22.	4. Describe the pr	ocess	for cleaning	, insp	ection, ı	maint	enance, and record		
		keeping for rop	es fo	llowing man	ufactu	rer's or	depa	rtment guidelines.		
	5.22.	5. Describe the pr	ocess	for cleaning	, insp	ection, ı	maint	tenance, and record		
		keeping for salv	vage e	equipment fo	llowi	ng manı	ıfactı	urer's or department		
		guidelines.								
	5.22.	6. Describe the pr	ocess	for cleaning	, insp	ection, ı	maint	tenance, and record		
		keeping for har	nd too	ols following	manu	facturer	's or	department guidelines.		
	5.22.	7. Demonstrate cl	leanir	ng, inspection	n, bas	c maint	enan	ce, and record keeping		
		for ladders in a	ccord	ance with m	anufa	cturer's	or de	epartment guidelines.		
	5.22.	5.22.8. Demonstrate cleaning, inspection, basic maintenance, and record keeping								
		for ventilation e	equip	ment in acco	ordano	e with r	manu	facturer's or department		
		guidelines.								
	5.22.	5.22.9. Demonstrate cleaning, inspection, basic maintenance, and record keeping								
		for SCBA in accordance with manufacturer's or department guidelines.								
	5.22.	5.22.10. Demonstrate cleaning, inspection, basic maintenance, and record keeping								
	for ropes in accordance with manufacturer's or department guidelines.									
	5.22.11. Demonstrate cleaning, inspection, basic maintenance, and record keeping									
	for salvage equipment in accordance with manufacturer's or department									
	guidelines.									
	5.22.							ce, and record keeping		
_			n acc	ordance with			er's o	r department guidelines.		
Pathways		Criminal Justice			Х	Fire				
<b>Green Practices</b>		Green-specific		Context-de	pende	nt	Χ	Does not apply		

Outcome	5.36. Hazardous Materials: Identify and respond to hazardous material incidents.								
	The firefighter candidate shall meet the requirements defined in Chapter 5,								
	Core Competencies for Operations Level Responders, and 6.6, Mission-								
	Specific Competencies Product Control, of NFPA 472, Standard for								
	Competence of Responders to Hazardous Materials/Weapons of Mass								
	Destruction Incidents.								
Competencies	5.36.1. Identify different forms of hazardous materials.								
	5.36.2. Identify agencies that have resources to assist in hazards material incidents								
	(e.g., Emergency Management Agency [EMA], Environmental Protection								
	Agency [EPA], Federal Emergency Management Agency [FEMA]).								
	5.36.3. Identify and interpret hazards material labels and placards using the U. S.								
	Department of Transportation [DOT] Emergency Response Guidebook.								
	5.36.4. Read and interpret Material Safety Data Sheet (MSDS) forms and shipping								
	documents.								

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	5.36	.36.5. Identify sources of information on procedures for the safe cleanup, storage,						
		and disposal of hazardous materials (e.g., CHEMTREC).						
	5.36	36.6. Describe the purpose of a hazardous materials safety plan.						
Pathways	Χ	Criminal Justice	ninal Justice			Fire		
<b>Green Practices</b>		Green-specific	een-specific Context-dep		pende	ent	Х	Does not apply

## Fire Course 4. Firefighter II

## Fire Course 4. Firefighter II

**Description:** Firefighter II is the second in a series for students studying firefighter safety and development. Students will understand Ohio Department of Public Safety fire protection rules and regulations, proper incident reporting and records, proper use of personal protections equipment, and the principles of fire safety. Students will use procedures for use of fire extinguishers, ladder, fire hose, and water supply apparatus.

Outcome	5.23. Incident Management: Explain and apply the actions required within the								
	Incident Management Systems (IMSs) for: 1) distinguishing the need for								
	organizing, assuming, and transferring command, 2) applying all applicable								
	National Fire Protection Association, department, and agency having								
	jurisdiction (AHJ) safety procedures while assuming an assigned roll within the								
	IMS system. ([General Knowledge Requirements] National Fire Protection								
	Association [NFPA] 1001 Ch. 6.1.1-6.1.2)								
Competencies	5.23.1. Define the role and responsibilities of a Firefighter 2.								
	5.23.2. Describe the roles and responsibilities for assuming and transferring								
	command within IMS.								
	5.23.3. Discuss the responsibilities of the first-arriving fire fighters.								
	5.23.4. Define the applicable NFPA and other safety regulations.								
	5.23.5. Define the applicable NFPA standards and other safety regulations.								
	5.23.6. Demonstrate the ability to determine the need for command.								
	5.23.7. Organize and coordinate an IMS until command is transferred.								
	5.23.8. Function within an assignment role within an ICS.								
Pathways	Criminal Justice X Fire								
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply								

Outcome	5.24	5.24. Records and Documentation: Identify the information required for completing incident reports and explain the reasons for completing thorough, accurate reports. Demonstrate how to obtain pertinent, accurate information while completing a written or electronically generated incident report. ([Department							
		Communications] National Fire Protection Association [NFPA] 1001 Ch. 6.2-							
		6.2.1)							
Competencies	5.24	5.24.1. Describe the steps in processing and initiating an emergency response.							
	5.24	5.24.2. List the information that should be included in a basic incident report.							
	5.24	5.24.3. Explain the purpose and usefulness of accurate reports.							
	5.24	5.24.4. Discuss the consequences of inaccurate reports.							
	5.24	5.24.5. List how to obtain the necessary information and the required coding							
	procedures.								
	5.24.6. Demonstrate the ability to determine necessary codes.								
	5.24.7. Dem3onstrate the ability to proof reports and the technology necessary to								
		complete reports.							
Pathways		Criminal Justice			Х	Fire			
<b>Green Practices</b>		Green-specific		Context-de	pende	ent	Х	Does not apply	

Outcome	5.25. Radio Communication: Explain and demonstrate providing radio						
	communications addressing the progress and needs of the team/company.						

		([Department Communications] National Fire Protection Association [NFPA]						
		1001 Ch. 6.2.2)						
Competencies	5.25	5.25.1. Discuss the standard operating procedures for alarm assignments and fire						
		department radio communication procedures.						
	5.25	5.25.2. Demonstrate the ability to operate fire department communication						
		equipment.						
Pathways		Criminal Justice	ninal Justice X Fire					
<b>Green Practices</b>		Green-specific		Context-dependent X Does not apply		Does not apply		

Outcome	5.26. Foam Application: Explain and demonstrate: 1) choosing the correct type of							
	foam, 2) using the appropriate method and rate of foam application to							
	extinguish given fires, 3) generating and applying foam to reduce hazards, 4)							
	selecting and operating various types of nozzles to apply foam. ([Fire Ground							
	Operations—Foam] National Fire Protection Association [NFPA] 1001 Ch. 6.3.1)							
Competencies	5.26.1. List the methods by which foam prevents or controls a hazard.							
	5.26.2. Describe the principles by which foam is generated.							
	5.26.3. Discuss the causes for poor foam generation and corrective measures.							
	5.26.4. Describe the difference between hydrocarbon and polar solvent fuels and							
	the concentrates that work on each.							
	5.26.5. Describe the characteristics, uses, and limitations of firefighting foams.							
	5.26.6. List the advantages and disadvantages of using fog nozzles versus foam							
	nozzles for foam application.							
	5.26.7. Discuss the techniques for foam stream application.							
	5.26.8. Describe the hazards associated with foam usage.							
	5.26.9. List the methods used to reduce or avoid hazards.							
	5.26.10. Demonstrate the ability to prepare a foam concentrate supply for use.							
	5.26.11. Assemble foam stream components.							
	5.26.12. Demonstrate how to approach and retreat from spills as part of a							
	coordinated team.							
Pathways	Criminal Justice X Fire							
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply							

Outcome	5.27. Interior Fire Suppression: Evaluate the fire scene and structure stability, select the appropriate tools and equipment, and demonstrate an interior attack on a								
	structure fire, maintaining communication with your team and incident								
	command, performing ventilation, search and rescue of victims, and								
	extinguishing fire located on various levels and grades of the structure. ([Fire								
	Ground Operations–Structure Fires] National Fire Protection Association								
	[NFPA] 1001 Ch. 6.3.2 Note: NFPA 1403, Standard on Live Fire Training								
	Evolutions, applies.)								
Competencies	5.27.1. Discuss the selection of nozzle and hose for fire attack given the different								
	fire situations.								
	5.27.2. Discuss the selection of adapter and appliances to be used for specific fire								
	ground situations.								
	5.27.3. Describe the dangerous building conditions created by the fire and fire								
	suppression activities.								
	5.27.4. List the indicators of a building collapse.								

	5.27.5. Discuss the effects of fire and fire suppression on wood, masonry (brick,							
	block, stone), cast iron, steel, reinforced concrete, gypsum, wallboard, glass,							
	plaster on lath.							
	5.27.6. Describe search and rescue and ventilation procedures.							
	5.27.7. List the indicators of structural instability.							
	5.27.8. Discuss the suppression approaches and practices for various types of							
	structural fires.							
	5.27.9. Describe the association between specific tools and special forcible entry							
	needs.							
	5.27.10. Demonstrate the ability to assemble a team, choose attack techniques for							
	various levels of fire (e.g., attic, grade-level, upper-level, basement), and							
	evaluate and forecast a fire's growth and development.							
	5.27.11. Select tools for forcible entry.							
	5.27.12. Demonstrate how to incorporate search and rescue procedures and							
	ventilation procedures in the completion of the attack team efforts.							
	5.27.13. Identify developing hazardous building or fire conditions.							
Pathways	Criminal Justice X Fire							
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply							

Outcome	5.28	8. Life Safety: Explain	n the	procedures. i	dent	ifv hazar	ds. a	nd demonstrate the skills	
				•		•		ontents, and cylinder	
		integrity of a cylinder on fire, 2) identifying safe havens and evacuation							
		procedures, 3) sel				_			
								uating, controlling, and	
		• •	•					Operations–Flammable	
				-				PA] 1001 Ch. 6.3.3)	
Competencies	5.28	8.1. Discuss the cha							
				•				ects of heat and pressure	
		on closed cylin		,					
	5.28	•		liquid expand	ding v	apor ex	plosi	on (BLEVE) signs and	
		effects.							
	5.28	5.28.4. List the methods for identifying content and how to identify safe havens							
		before approaching flammable gas cylinder fires.							
	5.28	5.28.5. Discuss the water stream usage and demands for pressurized cylinder fires.							
	5.28	5.28.6. Discuss what to do if the fire is prematurely extinguished.							
	5.28	5.28.7. Describe the valve types and their operation.							
	5.28	5.28.8. Explain the alternate actions related to various hazards and when to retreat.							
	5.28	5.28.9. Demonstrate the ability to execute effective advances and retreat.							
	5.28	5.28.10. Demonstrate the applicability of various techniques for water application.							
	5.28	5.28.11. Demonstrate the ability to assess cylinder integrity and changing cylinder							
		conditions, operate control valve, and choose effective procedures when							
		conditions cha	nge.						
Pathways		Criminal Justice			Χ	Fire			
<b>Green Practices</b>		Green-specific		Context-dep	pende	ent	Х	Does not apply	

Outcome	5.29. Fire Investigation: Explain the measures taken and demonstrate the steps
	required for identifying the origin and cause of a fire and protecting possible

		evidence of arson. ([Fire Ground Operations—Protecting Evidence] National Fire						
		Protection Associa	ation	[NFPA] 1001	Ch. 6	.3.4)		
Competencies	5.29	5.29.1. Discuss the methods to assess origin and cause, type of evidence, and						
		means to prote	ct va	rious types o	f evid	ence.		
	5.29	9.2. Describe the ro	le an	d the relation	nship	of Firefi	ghter	1, criminal investigators,
		and insurance investigators in fire investigations.						
	5.29	5.29.3. Describe the effects and problems associated with removing property or						
		evidence from the scene.						
	5.29	5.29.4. Demonstrate the ability to locate the fire origin area, recognize possible						
		causes, and protect the evidence.						
Pathways	Х	Criminal Justice			Χ	Fire		
<b>Green Practices</b>		Green-specific		Context-de	oende	ent	Χ	Does not apply

Outcome	5.30	5.30. Vehicle and Equipment Use: Explain and perform: 1) assessing scene safety and						
		stabilization of a vehicle involved in an accident, 2) assessing the vehicle's						
		strong, weak, and access points, 3) using extrication tools and equipment to						
		remove vehicle co	mpo	nents to dise	ntang	le a vict	im, 4	) assisting a technical
		rescue team by re	triev	ing equipmer	nt and	or tool/	s and	recognizing inherent
		hazards associated	d wit	h various typ	es of ı	escues.	([Res	scue Operations]
		National Fire Prot	ectio	n Association	[NFP	A] 1001	Ch. 6	5.4-6.4.2)
Competencies	5.30	0.1. Describe the fire	re de	partment's ro	ole at	a vehicl	e acc	ident.
		•		_				utomobile body.
	5.30	0.3. Discuss the dar	-					
	5.30				ses, ar	nd limita	tions	of hand and power tools
		used for extrication.						
		5.30.5. Describe the firefighter's role at technical rescue operations.						
		5.30.6. Discuss the hazards associated with technical rescues.						
	5.30		ols us	ed for technic	cal res	scue and	l thei	r uses including good
		practice.				_		
	5.30	5.30.8. Demonstrate how to operate hand and power tools used in forcible entry of						
		vehicles.						
		0.9. Demonstrate t		_	-		-	
	5.30	5.30.10. Choose and apply techniques for removing vehicle roofs, doors, windshields,						
		windows, steering wheels and columns, and dash boards.						
	5.30	5.30.11. Demonstrate how to identify and retrieve various types of rescue tools for						
	  - 3/	technical rescu		a cat up affa	******	مط مناطب	rri o =	_
		0.12. Demonstrate h		-				<b>.</b>
Dathways	5.30	0.13. Assist a rescue Criminal Justice	team	i as a membe	x X		iea.	
Pathways  Cross Brestiess			1	Contaxt da		Fire	l v	Doos not apply
Green Practices		Green-specific		Context-de	penae	ent	Χ	Does not apply

Outcome	5.31. Fire Prevention: Explain current programs and procedures that target reducing
	fires and life safety hazards through inspections, education, and public
	relations. Prepare a fire safety survey on an occupied structure, generating
	recommendations for reducing possible hazards. ([Fire and Life Safety
	Initiatives, Preparedness, and Maintenance] National Fire Protection
	Association [NFPA] 1001 Ch. 6.5-6.5.1)

Competencies	5.31	5.31.1. Describe organizational policies and procedures.						
	5.31	5.31.2. Discuss the common causes of fire and their prevention.						
	5.31	3. Explain the imp	ortai	nce of public	safet	y survey	and	public fire education
		programs to a	fire d	epartment ρι	ıblic r	elations	and	the community,
		including referral procedures.						
	5.31	5.31.4. Demonstrate the ability to complete forms, recognize hazards, match						
		findings to pre-approved recommendations, and effectively communicate						
		findings to occupants or referrals.						
Pathways		Criminal Justice			Χ	Fire		
<b>Green Practices</b>		Green-specific		Context-dep	pende	ent	Х	Does not apply

Outcome	5.32. Community Outreach: Discuss the basic presentation skills and knowledge					
	requirements needed for conducting a safety presentation using prepared					
	materials. Demonstrate a safety presentation to a small group of people during					
	a station tour. ([Fire and Life Safety Initiatives, Preparedness, and					
	Maintenance] National Fire Protection Association [NFPA] 1001 Ch. 6.5.2)					
Competencies	5.32.1. Describe parts of informational materials and how to use them.					
	5.32.2. Discuss basic presentation skills and departmental standard operating					
	procedures for giving fire station tours.					
	5.32.3. Demonstrate the ability to document presentation and to use prepared					
	materials.					
Pathways	Criminal Justice X Fire					
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply					

Outcome	5.33. Safety Inspection: Explain the procedures for conducting a pre-incident survey							
	and prepare a pre-incident report, use appropriate forms, prepare a diagram of							
	the structure (using common symbols to designate the water supply, fire							
	detection and suppression systems, construction features, and utilities) and							
	identify special features and hazards associated with the structure.([Fire and							
	Life Safety Initiatives, Preparedness, and Maintenance] National Fire Protection							
	Association [NFPA] 1001 Ch. 6.5.3)							
Competencies	5.33.1. Describe the source of water supply for fire protection.							
	5.33.2. Discuss the fundamentals of fire suppression and detection systems.							
	5.33.3. Discuss the common symbols used in diagramming construction features,							
	utilities, hazards, and fire protection systems.							
	5.33.4. Explain the departmental requirements for a pre-incident survey and form							
	completion and the importance of accurate diagrams.							
	5.33.5. Demonstrate the components of fire suppression and detection systems							
	and sketch the site, buildings, and special features.							
	5.33.6. Perform the ability to detect hazards and special considerations to include							
	in the pre-incident sketch.							
	5.33.7. Demonstrate the ability to complete all related departmental forms.							
Pathways	Criminal Justice X Fire							
<b>Green Practices</b>	Green-specific Context-dependent X Does not apply							

Outcome	5.34. Tool Maintenance: Explain and demonstrate the cleaning and maintenance of
	power plants, power tools, lighting equipment, and hand tools. Complete

	appropriate maintenance records. ([Fire and Life Safety Initiatives,							
	Preparedness, and Maintenance] National Fire Protection Association [NFPA]							
	1001 Ch. 6.5.4)							
Competencies	5.34.1. Discuss the types of cleaning methods.							
	5.34.2. Explain the correct cleaning solvents.							
	5.34.3. Describe manufacturer's and departmental guidelines for maintaining							
	equipment and documentation.							
	5.34.4. Explain the problem-reporting practices.							
	5.34.5. Demonstrate the ability to select correct tools, follow guidelines, and							
	complete recording and reporting procedures.							
	5.34.6. Demonstrate the ability to operate power plants, power tools, and lighting							
	equipment.							
Pathways		inal Justice			Χ	Fire		
Green Practices	Gree	n-specific		Context-dependent X Does not apply			Does not apply	

Outcome	5.35. Hose Maintenance: Explain the processes and demonstrate the procedures for								
	inspecting, testing, and placing hose out-of-service and completing								
	documentation of test results. ([Fire and Life Safety Initiatives, Preparedness,								
	and Maintenance] National Fire Protection Association [NFPA] 1001 Ch. 6.5.5)								
Competencies	5.35.1. Discuss the procedures for safely conducting hose service testing.								
	5.35.2. Describe the indicators that dictate any hose be removed from service and								
	recording procedures for hose test results.								
	5.35.3. Demonstrate the ability to operate a hose testing and nozzles and to record								
	the results.								
Pathways		Criminal Justice			Х	Fire			
<b>Green Practices</b>		Green-specific		Context-dependent		Х	Does not apply		