

NASH COMMUNITY COLLEGE

**EMERGENCY PREPAREDNESS TECHNOLOGY
A55420
CURRICULUM MODEL**

Semester Sequence for Emergency Preparedness Technology

<u>1st Semester (Fall)</u>		<u>Class</u>	<u>Lab</u>	<u>Credits</u>
FIP 136	Inspections and Codes	3	0	3
EPT 195	EMS Incident Management	2	2	3
FIP 152	Fire Protection Law	2	0	2
ENG 111	Expository Writing	3	0	3
CIS 111	Basic PC Literacy	1	2	2
	Social Science Elective	<u>3</u>	<u>0</u>	<u>3</u>
		14	4	16
<u>2nd Semester (Spring)</u>				
FIP 164	OSHA Standards	2	0	2
FIP 236	Emergency Management	2	0	2
FIP 176	Hazardous Material Operation	4	0	4
CJC 131	Criminal Law	3	0	3
ENG 113	Literature Based Research	3	0	3
	OR			
ENG 114	Prof. Research and Reporting	3	0	3
	Fine Arts Elective	<u>3</u>	<u>0</u>	<u>3</u>
		17	0	17
<u>3rd Semester (Summer)</u>				
COM 231	Public Speaking	3	0	3
	OR			
COM 110	Introduction to Communications	3	0	3
POL 130	State and Local Government	3	0	3
FIP 128	Detection and Investigation	<u>3</u>	<u>0</u>	<u>3</u>
		9	0	9

<u>4th Semester (Fall)</u>		<u>Class</u>	<u>Lab</u>	<u>Credits</u>
EPT 120	Sociology of Disaster	2	0	2
CJC 215	Organization and Administration	3	0	3
EPT 200	Disaster Response Ops. & Management	3	2	4
FIP 240	Fire Service Supervision	2	0	2
*MAT 115	Mathematical Models	2	2	3
HUM 115	Critical Thinking	<u>3</u>	<u>0</u>	<u>3</u>
		15	4	17
<u>5th Semester (Spring)</u>				
EPT 275	Emergency Ops. Center Management	3	2	4
EMS 235	EMS Management	2	0	2
FIP 276	Managing Fire Service	3	0	3
FIP 228	Local Government Finance	2	0	2
FIP 256	Municipal Public Relations	2	0	2
EPT 202	Terrorism and Emergency Management	<u>3</u>	<u>0</u>	<u>3</u>
		15	2	16
TOTAL				75
*MAT 161	College Algebra (may be substituted)	3	0	3

EMERGENCY PREPAREDNESS TECHNOLOGY–A55420

The Emergency Preparedness Technology curriculum is designed to provide students with a foundation of technical and professional knowledge needed for emergency services delivery in local and state government agencies. Study involves both management and technical aspects of law enforcement, fire protection, emergency medical services, and emergency planning.

Course work includes classroom and laboratory exercises to introduce the student to various aspects of emergency preparedness, protection, and enforcement. Students will learn technical and administrative skills such as investigative principles, hazardous materials, codes, standards, emergency agency operations, and finance.

Employment opportunities include ambulance services, fire/rescue agencies, law enforcement agencies, fire marshal offices, industrial firms, educational institutions, emergency management offices, and other government agencies. Employed persons should have opportunities for skilled and supervisory-level positions.

Course and Hour Requirements

<u>Title</u>	<u>Class</u>	<u>Lab</u>	<u>Clin</u>	<u>Work Exp</u>	<u>Credits</u>
General Education					
COM 110	Introduction to Communications	3	0	0	3
ENG 111	Expository Writing	3	0	0	3
ENG 114	Professional Research and Reporting	3	0	0	3
HUM 115	Critical Thinking	3	0	0	3
MAT 115	Mathematical Models	2	2	0	3
	Fine Arts Elective	3	0	0	3
	Social Science Elective	3	0	0	<u>3</u>
					21
Major Core Courses					
CJC 131	Criminal Law	3	0	0	3
CJC 215	Organization and Administration	3	0	0	3
EMS 235	EMS Management	2	0	0	2
EPT 120	Sociology of Disaster	2	0	0	2
EPT 195	EMS Incident Management	2	2	0	3

<u>Title</u>	<u>Class</u>	<u>Lab</u>	<u>Clin</u>	<u>Work Exp</u>	<u>Credits</u>	
Major Core Courses (Continued)						
EPT 200	Disaster Response Ops and Management	3	2	0	0	4
EPT 202	Terrorism and Emergency Management	3	0	0	0	3
EPT 275	Emergency Ops Center Management	3	2	0	0	4
FIP 128	Detection and Investigation	3	0	0	0	3
FIP 136	Inspections and Codes	3	0	0	0	3
FIP 152	Fire Protection Law	2	0	0	0	2
FIP 164	OSHA Standards	2	0	0	0	2
FIP 228	Local Gov't Finance	2	0	0	0	2
FIP 236	Emergency Management	2	0	0	0	2
FIP 240	Fire Service Supervision	2	0	0	0	2
FIP 256	Municipal Public Relations	2	0	0	0	2
FIP 276	Managing Fire Services	3	0	0	0	<u>3</u>
						45

Other Major Courses

CIS 111	Basic PC Literacy	1	2	0	0	2
FIP 176	Hazardous Material Operation	4	0	0	0	4
POL 130	State and Local Government	3	0	0	0	<u>3</u>
						9

Total Semester Hours Credit **75**

Course Substitutions

<u>Course in Program</u>	<u>Substitute Course</u>	<u>SHC</u>
COM 110 Intro to Communications	ENG 231 Public Speaking	3
ENG 114 Prof. Research & Rep.	ENG 113 Literature Based Research	3
MAT 115 Mathematical Models	MAT 161 College Algebra	3

ELT 116 Overhead Line Construction III 2 0 2
 Prerequisites: ELT 115
 Corequisites:

This course is oriented towards the lineworker with an experience level that indicates they are ready to begin training in the energized phase of linework. Upon completion, students will have the basic knowledge and skills when working with energized lines, as well as the use of aerial lifts and the application of rubber protective equipment.

ELT 117 Overhead Line Construction IV 2 0 2
 Prerequisites: ELT 116
 Corequisites:

This course includes classroom instruction in regulators, reclosers, and fuse coordination with a strong emphasis in safety and substation operation. Also, field instruction includes how to safely bypass reclosers and regulators. Upon completion, students should understand day-to-day operation of reclosures and regulators and be able to safely bypass various equipment in the distribution substation.

ELT 211 Underground Line Construction I 2 0 2
 Prerequisites: ELT 115
 Corequisites:

This course is the first of the Underground Line Construction series. Instruction will include proper personal protective grounding and grounding of the underground distribution system with make-up of terminators, elbows and transformers. The course will also cover underground installation and specifications. Also students will gain knowledge in safety related work practices which deal with URD System. Upon completion, students will gain knowledge in proper make-up of terminators, elbows and transformers.

ELT 212 Underground Line Construction II 2 0 2
 Prerequisites: ELT 211
 Corequisites:

This course instruction will consist of underground troubleshooting which includes fault locating (primary and secondary), make-up of three phase enclosures with a review of proper URD grounding procedures. Upon completion, students should be able to properly install single and three phase enclosures, as well as have a working knowledge of equipment used in URD troubleshooting.

ELT 221 **Advanced Line Construction I** 2 0 2
 Prerequisites: ELT 117 and ELT 212
 Corequisites:

This course includes instruction in digital panels for regulators and reclosures with a session on lightning protection. This course will also cover OSHA required Trenching/Excavations “Competent Person” Training. Upon completion, students will have a working knowledge of digital panels, lightning protection, and identify safety practices related to trenching/excavations.

EMS 235 **EMS Management** 2 0 2
 Prerequisites:
 Corequisites: None

This course stresses the principles of managing a modern emergency medical service system. Topics include structure and function of municipal governments, EMS grantsmanship, finance, regulatory agencies, system management, legal issues, and other topics relevant to the EMS manager. Upon completion, students should be able to understand the principles of managing emergency medical service delivery systems.

ENG 080 **Writing Foundations** 3 2 4
 Prerequisites: ENG 070 or ENG 075
 Corequisites: None

This course introduces the writing process and stresses effective sentences. Emphasis is placed on applying the conventions of written English, reflecting standard usage and mechanics in structuring a variety of sentences. Upon completion, students should be able to write correct sentences and a unified, coherent paragraph. This course does not satisfy the developmental reading and writing prerequisite for ENG 111 or ENG 111A.

ENG 090 **Composition Strategies** 3 0 3
 Prerequisites: ENG 080 or ENG 085
 Corequisites: None

This course provides practice in the writing process and stresses effective paragraphs. Emphasis is placed on learning and applying the conventions of standard written English in developing paragraphs within the essay. Upon completion, students should be able to compose a variety of paragraphs and a unified, coherent essay. This course satisfies the developmental writing requirement for ENG 111 and ENG 111A.

ENG 232	American Literature II	3	0	3
Prerequisites:	ENG 112, ENG 113, or ENG 114			
Corequisites:	None			

This course covers selected works in American literature from 1865 to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.

ENG 233	Major American Writers	3	0	3
Prerequisites:	ENG 112, ENG 113, or ENG 114			
Corequisites:	None			

This course provides an intensive study of the works of several major American authors. Emphasis is placed on American history, culture, and their literary merits. Upon completion, students should be able to interpret, analyze, and evaluate the works studied. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in the humanities/fine arts.

ENG 241	British Literature I	3	0	3
Prerequisites:	ENG 112, ENG 113, or ENG 114			
Corequisites:	None			

This course covers selected works in British literature from its beginnings to the Romantic Period. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.

ENG 242	British Literature II	3	0	3
Prerequisites:	ENG 112, ENG 113, or ENG 114			
Corequisites:	None			

This course covers selected works in British literature from the Romantic Period to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.

ENG 253	The Bible as Literature	3	0	3
Prerequisites:	ENG 113 or ENG 114			
Corequisites:	None			

This course introduces the Hebrew Old Testament and the Christian New Testament as works of literary art. Emphasis is placed on the Bible's literary aspects including history, composition, structure, and cultural contexts. Upon completion, students should be able to identify and analyze selected books and passages using appropriate literary conventions. This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.

ENG 261	World Literature I	3	0	3
Prerequisites:	ENG 112, ENG 113, or ENG 114			
Corequisites:	None			

This course introduces selected works for the Pacific, Asia, Africa, Europe, and the Americas from their literary beginnings through the seventeenth century. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.

ENG 262	World Literature II	3	0	3
Prerequisites:	ENG 112, ENG 113, or ENG 114			
Corequisites:	None			

This course introduces selected works from the Pacific, Asia, Africa, Europe, and the Americas from the eighteenth century to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.

EPT 120	Sociology of Disaster	2	0	2
Prerequisites:	None			
Corequisites:	None			

This course is designed to overview sociological disaster research, disaster systems, and alternative research approaches. Topics include human and organizational behaviors, long-term disaster impact on communities, disasters warning, and evacuation considerations. Upon completion, students should be able to assess and predict the impact of disaster-related human behavior.

EPT 195	EMS Incident Management	2	2	3
Prerequisites:				
Corequisites:	None			

This course covers the fully integrated incident management system for EMS response to high impact incidents. Topics include mass casualty incidents, terrorist events, communications, training, triage, law and fire incident command. Upon completion, students should be able to implement and operate within the National Incident Management System.

EPT 200	Disaster Response Operations and Management	3	2	4
Prerequisites:	FIP 236			
Corequisites:	None			

This course covers the basic concepts and operational procedures and authorities involved in responding to major disasters. Topics include Federal, State, and local roles and responsibilities in major disaster recovery work with an emphasis on governmental coordination. Upon completion, students should be able to implement a disaster plan and assess the needs of those individuals involved in a major disaster.

EPT 202	Terrorism and Emergency Management	3	0	3
Prerequisites:	EPT 200			
Corequisites:	None			

This course covers preparing for, responding to, and safely mitigating terrorism incidents. Topics include the history of terrorism, scene hazards, evidence preservation, risk assessment, roles and responsibilities, explosive recognition, and terrorism planning. Upon completion, students should be able to recognize the threat of terrorism and operate within the emergency management framework at a terrorism incident.

EPT 275	Emergency Operations Center Management	3	2	4
Prerequisites:	FIP 236			
Corequisites:	None			

This course provides students with the knowledge and skills to effectively manage and operate an EOC during crisis situations. Topics include properly locating and designing an EOC, staffing, training and briefing EOC personnel, and how to operate an EOC. Upon completion, students should be able to demonstrate how to set up and operate an effective emergency operations center.

FIP 128 **Detection & Investigation** 3 0 3
Prerequisites:
Corequisites: None

This course covers procedures for determining the origin and cause of accidental and incendiary fires. Topics include collection and preservation of evidence, detection and determination of accelerants, courtroom procedure and testimony, and documentation of the fire scene. Upon completion, students should be able to conduct a competent fire investigation and present those findings to appropriate officials or equivalent.

FIP 136 **Inspection & Codes** 3 0 3
Prerequisites:
Corequisites: None

This course covers the fundamentals of fire and building codes and procedures to conduct an inspection. Topics include review of fire and building codes, writing inspection reports, identifying hazards, plan reviews, site sketches, and other related topics. Upon completion, students should be able to conduct a fire code compliance inspection and produce a written report.

FIP 152 **Fire Protection Law** 2 0 2
Prerequisites:
Corequisites: None

This course covers fire protection law. Topics include torts, legal terms, contracts, liability, review of case histories, and other related topics. Upon completion, students should be able to discuss laws, codes, and ordinances as they relate to fire protection.

FIP 164 **OSHA Standards** 2 0 2
Prerequisites:
Corequisites: None

This course covers public and private sector OSHA work site requirements. Emphasis is placed on accident prevention and reporting, personal safety, machine operation, and hazardous material handling. Upon completion, students should be able to analyze and interpret specific OSHA regulations and write workplace policies designed to achieve compliance.

FIP 176	HazMat Operations	4	0	4
Prerequisites:				
Corequisites:	None			

This course is designed to increase first responder awareness of the type, nature, physiological effects of, and defensive techniques for mitigation of HazMat incidents. Topics include recognition, identification, regulations and standards, zoning, resource usage, defensive operations, and other related topics. Upon completion, students should be able to recognize and identify the presence of hazardous materials and use proper defensive techniques for incident mitigation.

FIP 228	Local Government Finance	2	0	2
Prerequisites:				
Corequisites:	None			

This course introduces local governmental financial principles and practices. Topics include budget preparation and justification, revenue policies, statutory requirements, taxation, audits, and the economic climate. Upon completion, students should be able to comprehend the importance of finance as it applies to the operation of a department.

FIP 236	Emergency Management	2	0	2
Prerequisites:				
Corequisites:	None			

This course covers the four phases of emergency management: mitigation, preparedness, response, and recovery. Topics include organizing for emergency management, coordinating for community resources, public sector liability, and the roles for government agencies at all levels. Upon completion, students should be able to demonstrate an understanding of comprehensive emergency management and the integrated emergency management system.

FIP 240	Fire Service Supervision	2	0	2
Prerequisites:	None			
Corequisites:	None			

This course covers supervisory skills and practices in the fire protection field. Topics include the supervisor's job, supervision skills, the changing work environment, managing change, organizing for results, discipline and grievances, and loss control. Upon completion, students should be able to demonstrate an understanding of the roles and responsibilities of the effective fire service supervisor.

FIP 258 **Municipal Public Relations** 2 0 2

Prerequisites:
Corequisites: None

This course is a general survey of municipal public relations and their effect on the governmental process. Topics include principles of public relations, press releases, press conferences, public information officers, image surveys, and the effects of perceived service on fire protection delivery. Upon completion, students should be able to manage the public relations functions of a fire service organization.

FIP 276 **Managing Fire Services** 3 0 3

Prerequisites:
Corequisites: None

This course covers an overview of fire department operative services. Topics include finance, staffing, equipment, code enforcement, management information, specialized services, legal issues, planning, and other related topics. Upon completion, students should be able to understand concepts and apply fire department management and operations principles.

FRE 111 **Elementary French I** 3 0 3

Prerequisites: Appropriate reading placement test score or appropriate ACT or SAT verbal and math scores, or RED 090 (with "C" or higher).
Corequisites: None

This course introduces the fundamental elements of the French language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written French and demonstrate cultural awareness. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.

FRE 112 **Elementary French II** 3 0 3

Prerequisites: FRE 111
Corequisites: None

This course is a continuation of FRE 111 focusing on the fundamental elements of the French language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written French and demonstrate further cultural awareness. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.

FRE 211	Intermediate French I	3	0	3
Prerequisites:	FRE 112			
Corequisites:	None			

This course provides a review and expansion of the essential skills of the French language. Emphasis is placed on the study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.