

Emergency Medical Services - Municipal Fire Protection A.A.S.

Program Description

This degree is designed to prepare students for a variety of careers in EMS. The broad-based background in general education prepares graduates to continue their educational pursuits at four-year colleges and universities. The curriculum meets and exceeds the Department of Transportation 1999 National Standard curriculum for EMT paramedic. Students completing the required coursework are eligible to sit for both the state of Oklahoma License and National Registry exams. This degree transfers to BT-ERA Degree.

Technical Occupational Specialty

<input type="checkbox"/>	BIOL	1515	Human Anatomy and Physiology
<input type="checkbox"/>	MFP	1147	Emergency Medical Technician - Basic
<input type="checkbox"/>	MFP	2211	Emergency Vehicle Operations
<input type="checkbox"/>	MFP	2333	Rescue Awareness
<input type="checkbox"/>	MFP	1249	Paramedic Care I
<input type="checkbox"/>	MFP	1348	Paramedic Care II
<input type="checkbox"/>	MFP	2549	Paramedic Care III
<input type="checkbox"/>	MFP	2558	Paramedic Care IV

50 Credit Hours

	Date	Institution
5		
7		
1		
3		
9		
8		
9		
8		

Employment Information

The Associate in Applied Science in Emergency Medical Services - Municipal Fire Protection is designed to provide the student with qualifications necessary to function as an EMS provider in the prehospital environment. Graduates of the program have the potential to earn salaries between \$19,000 and \$30,000 a year. Based on Bureau of Labor Statistics this is one of the top 50 jobs to have.

Technical Occupational Support and Related Courses

<input type="checkbox"/>	CIS	Any 1000 (+) Level Computer Course
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3 Credit Hours

3		
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General Education Requirements

<input type="checkbox"/>	BIOL	1212	Human Anatomy Lab
<input type="checkbox"/>	ENGL	1113	English Composition I
	SPCH	1113	Introduction to Speech Communications

18 Credit Hours

2		
3		

OR

	ENGL	1213	English Composition II
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3		
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OR

	ENGL	2333	Introduction to Technical Report Writing
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Cooperative Agreement

This program is part of a cooperative agreement offered between OSU-Oklahoma City and Canadian Valley Technology Center, Eastern Oklahoma County Technology Center, Kiamichi Technology Center, Metro Technology Centers, Moore Norman Technology Center.

<input type="checkbox"/>	HIST	1483	U.S. History to 1865
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OR

<input type="checkbox"/>	HIST	1493	U.S. History Since 1865
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3		
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<input type="checkbox"/>	MATH		Any 1000(+) Level Math Course
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3		
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<input type="checkbox"/>	POLS	1113	American Government
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3		
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<input type="checkbox"/>	PSIO	2311	Human Physiology Lab
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1		
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Degree Awarded

Associate in Applied Science

Total to Graduate

71 Credit Hours

For More Information Contact:

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Student Name:	_____
CWID:	_____
Counselor:	_____
Catalog 2011-2012	

EMERGENCY MEDICAL SERVICES-MFP AAS COURSE DESCRIPTIONS

BIOL 1515 HUMAN ANATOMY AND PHYSIOLOGY

Structure and function of the human body. Emphasis is on the study of functions in the body and a basic knowledge of gross anatomy. Lecture: five hours per week. This course does not fulfill the anatomy and physiology requirements for the nursing program. Prerequisites: [R] [Sci] MATH 0104

MFP 1147 EMT BASIC

This course is designed to prepare students to the level of Emergency Medical Technician (EMT) - Basic, so they will be both eligible for National Registry/Oklahoma Licensure as an EMT and competent at the level expected of an entry level EMT. The course develops skills in symptom recognition and in all emergency care procedures currently within the responsibilities of an EMT providing emergency medical care with an ambulance service or emergency medical service initial response agency. Lab: three hours per week. Prerequisite: standard OSU-Oklahoma City admission requirements.

MFP 2211 EMERGENCY VEHICLE OPERATION

This course introduces Fire and EMS personnel to Law and Liabilities, preventive maintenance, emergency response considerations, crash and injury prevention and safe driving techniques. Meet NFPA 1002 & 1451.

MFP 2333 RESCUE AWARENESS

This course will discuss the varying involvement of EMS personnel in rescue operations, scene safety, including HAZMAT, assessing and treating contaminated patients, crime scene operations, preserving evidence, medical incident command, surface and under the surface water rescues, vehicle rescues and search techniques. Prerequisite: MFP 1147.

MFP 2549 PARAMEDIC CARE III

This course is a study of the assessment and management of neurological, endocrine, allergies and anaphylaxis, gastroenterology, urology, toxicology, environmental conditions, infectious diseases, psychiatric, and hematological emergencies. Discussion and review of the following: the respiratory system anatomy, physiology and pathophysiology, respiratory emergencies emphasizing recognition and treatment of these problems. This course is also designed to give the student the knowledge to administer and interpret the 12-lead ECG. Students will be required to complete 108 hours of clinical rotations. Prerequisite: MFP 1348.

MFP 2558 PARAMEDIC CARE IV

This course will discuss and review the female reproductive system anatomy, physiology, pathophysiology, and the recognition and management of normal and complicated pregnancy and delivery. Discussion and review of the following: the recognition and management of gynecological emergencies and the anatomy and physiology of pregnancy. It will also provide an overview of common and uncommon pediatric emergencies encountered as well as presenting specialized pediatric assessment techniques and emergency procedures. This course will also discuss the specialized world of neonatology, pediatrics, geriatrics and their assessment and treatment. Other discussion and review of the following: the abused and assaulted patient, their assessment and treatment; and the assessment and treatment of the chronic-care and the challenged patient; as well as assessment-based management. Students will be required to complete 156 hours of clinical rotations. Prerequisite: MFP 2549.

MFP 1249 PARAMEDIC CARE I

This course will prepare the paramedic student for medication administration, venous access, advanced airway and ventilation. It will include clinical time in the operating room and emergency department. It is designed to cover the well being of paramedics, their roles and responsibilities, injury and illness prevention, medical/legal issues, ethics, therapeutics communications and life span development. Discussion and review of the following: medical mathematics, history taking, techniques of physical examination, patient assessment, clinical decision-making, communications and documentation. Upon successful completion of this course the paramedic student will be able to define normal cellular physiology, how cells respond and change to injury, genetics and other causes of disease, self-defense mechanisms, inflammation, and variances of immunity stress and disease. Students will be required to complete 84 hours of clinical rotations. Prerequisites: MFP 1147 and BIOL 1515.

MFP 1348 PARAMEDIC CARE II

This course is designed to cover the structure and function of the human heart and how it relates to electrophysiology and dysrhythmia analysis. It is also designed to give the student the basic knowledge, skills and confidence to successfully interpret ECG strips in the patient care setting. Upon completion of this course the paramedic student will be able to summarize and correctly interpret the legal standards of drug therapy: identify and correctly interpret actions of emergency drugs; accurately calculate doses, dosage and routes of administration for emergency patients based on indications, contraindications, standing orders, verbal orders and accepted pre-hospital care protocols; and demonstrate correct aseptic techniques in preparation and administration of drugs. In addition, this course will discuss the nature of trauma and its cost to society, the concepts of trauma care systems and role of the paramedic in trauma care. Discussion will include the following: blunt force trauma, triage protocols and physiology of injuries. Students will be required to complete 88 hours of clinical rotations. Prerequisite: MFP 2333 and MFP 1249, Co-requisite: MFP 2333.