

HEALTH SCIENCE CLUSTER

EMERGENCY MEDICAL TECHNICIAN (EMT) AND AOS PROGRAM

PROGRAM OF STUDY

COURSE	COURSE TITLE	PREREQUISITE	CREDITS	HIGH SCHOOL YEAR
INFO-1100	Microcomputer Applications*	NONE	3/6*	Sophomore
HLTH-1090	CPR-Healthcare Provider	NONE	.5	Sophomore (FALL)
ATHC-1700	First Aid	NONE	2	Sophomore (FALL)
HLTH-1060	Medical Terminology	NONE	2	Sophomore/Junior
BIOS-1160 or BIOS-1540 and BIOS-1620	Anatomy & Physiology Physiology & Anatomy 1 Physiology & Anatomy 2	ACFS-0060R or Reading Placement	4	Junior (AOS Pathway)
EMTL-1120 EMTL-1130	EMT Basic 1 & 2	NONE	13	Senior (FALL or SPRING)
PSYC-1050	Intro to Psychology	Reading Placement	3	Senior
TOTAL CREDIT HOURS			27.5/30.5*	

*If the high school has articulated Microcomputer Applications with WNCC, students may take Advanced Microcomputer Applications and earn SIX (6) credit hours upon successful completion of course.

This sequence of courses is part of the following programs of study:

- EMT - Basic, Professional Skill Award
- EMT - Intermediate, Certificate
- EMT - Paramedic, Certificate
- EMT - AOS, Associate of Occupational Studies degree

If you follow the pathway sequence of courses, you may finish the programs of study in the following amounts of time beyond high school:

- EMT - Intermediate: 2 semesters
- EMT - Paramedic: Intermediate **PLUS**
Paramedic 1: spring only (7 credits)
Paramedic 2: summer only (10 credits)
Paramedic 3: fall only (7 credits)
- EMT - AOS: Intermediate **PLUS**
1 semester of General Education courses (AOS Program of Study)

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COURSE DESCRIPTIONS

ATHC-1700 First Aid The student will study standard first aid practices and procedures. This does not count as a physical education activity class.

BIOS-1160 Anatomy & Physiology This is an introductory course in human body structure and function. Emphasis is placed on anatomy, with attention also given to physiology, as related to the ten body systems.

BIOS-1540 Human Physiology and Anatomy 1 Topics covered include the introduction of human anatomy and physiology, introduction to the chemical basis of life, cells, cellular metabolism, tissues, integumentary, skeletal, joints, muscular, nervous systems and somatic and special senses.

BIOS-1620 Human Physiology and Anatomy 2 This course is a continuation of BIOS-1540. Topics covered include the structure and function of the circulatory, respiratory, digestive, endocrine, reproductive, and excretory systems. Also included is a study of the fluid electrolyte and pH balances of the body.

EMTL-1120 EMT-Basic 1 The EMT-Basic candidate will be familiarized with the introductory aspects of emergency medical care. Topics covered include the well-being of the EMT-Basic, medical/legal and ethical issues, the human body, baseline vital signs and SAMPLE history, lifting and moving patients, airway and patient assessment. Practice skill labs will also be conducted.

EMTL-1130 EMT Basic 2 This is the second part of the EMT-Basic course. The knowledge and skills learned in the EMT-Basic I will be the foundation for the more complex knowledge and skills to be learned in EMT-Basic 2. Topics covered include Advanced Airway, Glucose Monitoring, Monitoring a Non-medicated IV, Trauma, Infants and Children and Operations. Practice skills labs will also be conducted. Upon successful completion of EMT-Basic 2, the student will be eligible to sit for the National Registry exam.

HLTH-1060 Medical Terminology This course gives the student a basic knowledge of medical terms used in the health profession. The format presents terminology within the context of root words and use of prefixes and suffixes. It is designed to stimulate the student thinking process including proper use and pronunciation of medical terms.

HLTH-1090 CPR-Healthcare Provider This course is designed for healthcare providers and any other interested individuals. Individuals will learn two-man rescue and one-man rescue. Individuals will learn signs and symptoms of heart attacks, strokes and choking. The course prepares individuals to perform CPR and the

Heimlich maneuver for infants, children and adults. The American Heart Association standards are followed.

INFO-1100 Microcomputer Applications This course focuses on the fundamentals of word processing, spreadsheets and presentation graphics in a windows-based environment and includes the integration of these applications. Keyboarding skills are recommended.

PSYC-1050 Introduction to Psychology Placement Level 3 This course is designed to familiarize the student with the major areas of psychology. The course is directed toward the understanding of human behavior by dealing with such topics as development of behavior, perception, motivation and emotion, learning, intelligence, personality, and mental health. An application of course content to everyday behavior situations is emphasized.

