

ADDENDUM 2012-2013

PG 49

Micro-Computer Repair Technician One-Year Certificate

This program is designed to prepare students for the managing, maintaining, and repairing of the microcomputer system.

First Semester	Credits
CIS 1044 PC Troubleshooting & Repair I	4
CIS 2204 Networking Concepts	4
ENG1003 Freshmen English I	3
Directed Elective (AS advised by IT Instructor)	3

Second Semester	
BSYS 2013 Web Page Design (OR)	
CIS 2303 Network Applications	3
MATH 0033 Intermediate Algebra	3
CIS 2044 PC Troubleshooting & Repair II	4
CIS 2004 Network Operating System Technology	4
ADMS 2563 Business Communications**	3

*See General Education Requirements course descriptions.

** Pre-requisite ENG 1003

PG 54

Basic Police Training Certification/Law Enforcement Certificate of Proficiency

Specialty Course Credit	Credits
CRIM 1003 Criminal Justice Workshop III	3
CRIM 1023 Introduction to Criminal Justice	3
CRIM 1053 Principles of Police Patrol	3
CRIM 2043 Community Relations & Administration of Justice	3
CRIM 2263 Criminal Evidence and Procedures	3
Related Elective Courses	
CRIM 2001 Intoximeter Operator	1
CRIM 2201 DWI Standardized Field Sobriety Testing	1
CRIM 2241 Tactical Skills for Law Enforcement	1
PE 1002 Concepts of Fitness*	2
PE 1111 Physical Conditioning*	1

*See General Education Requirements course descriptions

PG 59 before Fire Science

Certificate of Proficiency in Homeland Security/Emergency Preparedness (12 CREDIT HOURS)

The Certificate of Proficiency in Homeland Security/Emergency Preparedness is appropriate for law enforcement officers, fire fighters, emergency medical responders, city and county officials, and for those entering the field of emergency management. It is intended to enhance the knowledge of individuals who are likely to find themselves in situations managed by the Incident Command System (ICS).

Required Courses – 12 Credit Hours Total

HSEP	1003	Introduction to NIMS & NRF	3
HSEP	1013	Living in a Hazardous Environment	3
HSEP	1043	Aim and Scope of Emergency Preparedness	3
HSEP	2033	Citizen and Community Disaster Preparedness	3

PG 65**Associate of Applied Science Paramedic****Paramedics One**

This class will replace all of the classes for paramedics during the fall semester 17 hours.

The replaced classes will include EMS 1013 Anatomy and Physiology, EMS 1023 Pre-Hospital Environment, EMS -1033 Pharmacology, EMS 1043 Preparatory, One hour of the EMS-1084 Cardiology Emergencies will be included in this semester. All of the EMS-1072 Medical Emergencies 1 will be moved to the spring semester. Currently these classes represent 17 hours by adding the Cardiology class, this would be 18 hours. Under this class there would be 13 hours. Note students still have Practicum hours and that will be 3.

*** Paramedics One**

This class will acquaint the student with the pre-hospital environment including advanced skills of medication administration, advanced airway procedures and cardiac electrical monitoring. This course will provide an overview of Professionalism, Roles and Responsibility of the Paramedic and Medical/Legal Considerations, along with the Ethical aspects of emergency medical systems which includes Malpractice, Consent, Stress Management and Contracts. Ems Communications (including communicating with the patient) and Emergency Rescue Techniques are taught. Students will be instructed in a general overview of Patient Assessment, Airway and Ventilation Management and Shock. Anatomy, physiology, and medical terminology will be taught for students to better understand body systems and how the work. Understanding and management of the body system's reaction to decreased cellular oxygenation are discussed. Body fluids, osmosis, and pathophysiology of inadequate tissue perfusion, combined with evaluation and management are emphasized for these patients. Clinical Pharmacology, classification and use of medication with the emphasis on proper indications, precautions, dosages and methods of administration are covered. Use of medical mathematics and math for busy paramedics, which includes dosage calculations and metric conversions, will be addressed. Cardiac electrical monitoring will be taught with the emphasis on

interpretation of cardiac dysrhythmias and electrical cardiac therapy, this class will also include defibrillation and synchronized cardio- version.

Paramedic Practicum One

This class replaces Clinical I EMS 1054 and represents 3 credit hours.

Students will be required to do a rotation of 104 hours of within the Emergency Department. During this rotation, the student will have a minimum requirement of 10 IV starts or venous blood draws. This requirement is to acquaint the student with real life IV therapy. Students will be required to give a minimum of 10 IV med and 10 IM med administrations to acquaint the student with administration of medication in real life situations. Students will be required to do a rotation of 40 hours in the Operating Room. This rotation will require the student to do a minimum of 5 endotracheal intubations. This requirement is to acquaint the student with real life situations and advanced airway control by using learned principals of ventilation management. This practical will be performed on “live” patients under the supervision of the Operating Room anesthesiologist.

Paramedics Two

This class will replace the current classes in the Spring Semester that consist of: Trauma EMS 1064, Medical Emergencies One and Two EMS 1072 and EMS 2002. Part of Cardiac Emergencies EMS 1084 (Three hours one hour in Paramedics One), OB/GYN/Neonatal EMS 1103. Currently these classes represent 15 hours of credit and by adding the Practicum class, which will be 4 hours, the total hours for the semester would be 19 hours. The new class will represent 13 hours and by adding the Practicum of 4 hours will be 17 for this semester.

***Paramedics Two**

This course will provide an overview of Medical, Traumatic, and Obstetrical Emergencies. The medical emergencies will include; recognition, management and pathophysiology of cardiac, (including ACLS), respiratory, diabetic, nervous system, non-traumatic abdominal pain, hepatic disorders, allergic reactions, toxicology, infectious diseases, environmental, geriatrics, pediatrics (including PALS), and behavioral emergencies. The Trauma emergencies will include assessment, management, and pathophysiology of traumatic human injuries, including; burns and multi- systems trauma. The obstetrical emergencies will include patients with a variety of acute obstetrical emergencies. Child birth and the management of neo-Nate will be included, with an emphasis on recognizing and management of complications of childbirth. 13 Hours

Paramedic Practicum Two

This class replaces Clinical Rotation II EMS 1074 and Field Internship I EMS 1011 and represents 4 credit hours. It will continue to be a 4 hour class as to minimum state requirements.

This class is a continuation of Paramedics Practicum one. During this class students will be required to do a minimum of 96 hours in the Emergency Room and a minimum of 24 hours in the Intensive Care

Unit for the purpose of "hands on- real life" experience of the cardiac and severely traumatized patient. Students will be required to do a minimum of 20 hours in an obstetrical unit and a minimum of 12 hours in a pediatric unit or work a shift a pediatric clinic and a shift in an Obstetrical clinic for experience with the obstetrical and pediatric patient. All students will be required to have a minimum of 10 IV starts or IV sticks and give a minimum of 10 IV med administrations and 10 IM med administrations. Students will also be required to write patient assessments on a minimum of 10 obstetrical patients and 10 pediatric patients. Students will be required to complete a 12 hour shift in the psychiatric unit or in a behavioral health clinic where they will write assessments on a minimum of 10 psychiatric patients. Students will be required to complete 28 hours of Field Internship where they will orientate in the pre-hospital setting. Students are required to document at least 5 ALS transports.

Paramedics Three

This class will consist of Intercession and Summer I. It will take the place of Special Operations EMS 2033 and Lab I & II EMS 2001 & EMS 2011 and will represent 5 credit hours.

***Paramedics Three**

This class covers Recognition, Management, and Pathophysiology of patients who require special considerations. Included topics will cover; Geriatric Emergencies, Abuse and Assault, The Challenged Patient, and acute interventions for Chronic Care Patients. This class includes an overview of Ambulance Operations, Medical Incident Command, Rescue Operations, Crime Scene Awareness, Hazardous-Material Incidents, and Rural EMS Considerations. Lab portion of this class is to prepare the students for the practical portion of the National Registry Exam. It will represent 5 credit hours.

Practicum Three

This class replaces Field Internship II EMS2003 and represents 3 credit hours.

Practicum Three

This is a continuation of Practicum One and Practicum Two. The purpose of this class is to help students progress to the role of paramedic and assume leadership in the pre-hospital patient care setting. Students will be required to ride third party on an ALS ambulance progressing into a leadership role with the assistance of the preceptor. Requirements will include documentation of a minimum of 25 ALS transports and a minimum of 144 hours "ride time" on the ambulance will be required. Students will also be required to document all ambulance transports made during this period regardless of patient com

Practicum Four

This class replaces Field Internship III EMS 2053 and represents 3 credit hours.

Practicum Four

This class is a continuation and conclusion of the Practicum classes. The purpose of this class is for the student to assume the leadership role and to become proficient as a leader in the prehospital setting. During this class the student should assume the role of leader under the supervision of the preceptor. Student will be required to document a minimum of 25 ALS transports and required to document all ambulance transports and a minimum of 144 hours “ride time” on the ambulance will be required.

*** These classes will all be Hybrid classes with somewhere around 30 – 40 percent for the entire program**

PG 76

Associate of Applied Science in

Respiratory Care

Semester Fall

Omit

RES 2007 Clinical Practicum II

Replace with

RES 2107 Clinical Practicum III

PG 120 before HUM 1003

HSEP 1003 Introduction to NIMS and NRF / 3 credits (3 Lec.) – This course introduces the National Incident Management System (NIMS) and the National Response Framework (NRF). In this course, students will be introduced to the ways in which government, private-sector, and nongovernmental organizations to work together during domestic incidents. Further, students will gain knowledge of the planning actions that support preparedness, the actions that support a national response, and the organizations employed in multiagency coordination. As part of the course requirements, students will be expected to complete certain EMI online courses pertaining to ICS.

HSEP 1013 Living in a Hazardous Environment / 3 credits (3 Lec.) - This course is an overview of the natural hazards present in our world; including floods, earthquakes, tornadoes and others. Discussion and study center on the causes of such hazards and the role of emergency preparedness systems when such disasters occur.

HSEP 1043 Aim and Scope of Emergency Preparedness / 3 credits (3 Lec.) - This course focuses on the philosophical and theoretical underpinnings of the emergency management profession and the principles that

define effective practice. The starting points are current definitions of emergency management, the mission and vision of the profession, and the principles of emergency management. As part of the course requirements, students will be expected to complete certain EMI courses pertaining to relevant subject matter.

HSEP 2033 Citizen and Community Disaster Preparedness / 3 credits (3 Lec.) – This course focuses on the principles and practices of citizen and community disaster preparedness. Emphasis is placed on the examination of programs and partnerships that foster disaster preparedness with the general public and with special needs or high-risk populations. As part of the course requirements, students will be expected to complete certain EMI online courses pertaining to ICS.