EMERGENCY MEDICAL RESPONDER (180)

INDUSTRY SECTOR: Public Services Sector

PATHWAY: Emergency Response

CALPADS TITLE: Intermediate Emergency Response (Concentration)

CALPADS CODE: 8421

HOURS:

Total	Classroom	Laboratory/CC/CVE
180	180	0

JOB TITLE	O*NET CODE	JOB TITLE	O*NET CODE
Police, Fire, and Ambulance Dispatchers	43-5031.00	Emergency Medical Technicians and Paramedics	29-2041.00
Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	33-9092.00	Protective Service Workers, All Other	33-9099.00

COURSE DESCRIPTION:

This class will teach students to provide immediate care to an ill or injured person and train them to assist emergency medical service (EMS) providers. Instructional units include the history of health care, EMS overview, CPR and first aid skills, patient assessment, legal and ethical issues, triage, and emergency responsibilities. Completion of this class will provide a strong background useful in lifeguard positions, fire service, sports medicine, ski patrol, medical facilities and in preparation for the EMT class.

A-G APPROVAL: No

ARTICULATION: None

DUAL ENROLLMENT: None

PREREQUISITES:

Prerequisite
None

METHODS OF INSTRUCTION

- Direct instruction
- Group and individual applied projects
- Multimedia
- Demonstration
- Field trips
- Guest speakers

STUDENT EVALUATION:

- Student projects
- Written work
- Exams
- Observation record of student performance
- Completion of assignment

INDUSTRY CERTIFICATION:

- AHA Basic Life Support for Healthcare Provider (CPR and AED) Certification

RECOMMENDED TEXTS:

- Emergency Medical Responder: Your First Response in Emergency Care 5th Edition by American Academy of Orthopaedic Surgeons (AAOS)

PROGRAM OF STUDY

Grade	Fall	Spring	Year	Course Type	Course Name
9, 10, 11, 12				Introductory	Introduction to Medical Careers
9, 10, 11, 12				Introductory	Medical Terminology
10, 11, 12				Concentrator	Emergency Medical Responder (180)
11, 12				Capstone	Sports Medicine

I.	INTRODUCTION AND ORIENTATION	CR	Lab/ CC	Standards
	• Demonstrate awareness of course objectives and competencies • Demonstrate an understanding of course requirements and student expectations • Demonstrate awareness of the Emergency Medical Services industry standards and possible career opportunities • Discuss the various emotional aspects of emergency medical care regarding the caregiver's well-being • Define body substance isolation and explain the procedures taken when initiating care of a victim • Explain the different areas to consider when assessing scene safety	8	0	**Academic:** LS: 11-12.1, 11-12.2 RLST: 11-12.3, 11-12.4 **CTE Anchor:** Career Planning and Management: 3.4 Health and Safety: 6.2, 6.6 **CTE Pathway:** B1.1, B4.1, B4.2, B4.3
II.	**LEGAL AND ETHICAL ISSUES**	**CR**	**Lab/ CC**	**Standards**
	• State the scope of practice for first responders • Define competence • Discuss consent for treatment • Discuss the parameters for advanced directives/do not resuscitate orders • Explain refusal of treatment and the first responder’s procedure to follow • Differentiate between abandonment and negligence • Discuss the importance of confidentiality in the medical field • Identify special situations where medical identification insignia may be used • Preserve a crime scene/evidence • Perform accurate documentation	10	0	**Academic:** LS: 11-12.1, 11-12.2 RLST: 11-12.2, 11-12.4 WHSST: 11-12.2, 11-12.4 **CTE Anchor:** Ethics and Legal Responsibilities: 8.2, 8.3, 8.4, 8.7 **CTE Pathway:** B3.6
III.	**THE HUMAN BODY**	**CR**	**Lab/ CC**	**Standards**

	• Describe the major function, list the organs and their function for each of the systems listed below:
	  • Musculoskeletal system
	  • Respiratory system
	  • Circulatory system
	  • Nervous system
		20	0	**Academic:**
				RLST: 11-12.2
				LS : LS1, LS1.A
				CTE Anchor:
				Problem Solving and Critical Thinking: 5.4
				Technical Knowledge and Skills: 11.1, 11.2
				CTE Pathway:
				B5.1, B9.1, B9.2

IV.	**LIFTING AND MOVING PATIENTS**	**CR**	**Lab/ CC**	**Standards**
	• Discuss the role of the first responder when lifting and moving patients • Name the rules of proper body mechanics • List different types of lifting techniques • Discuss the principles of moving patients • Familiarize self with equipment used for moving patients	10	0	**Academic:** RLST: 11-12.3 **CTE Anchor:** Health and Safety: 6.3, 6.4, 6.5 Demonstration and Application: 10.2, 10.4

				Technical Knowledge and Skills: 11.1 **CTE Pathway:** B3.9, B5.1, B9.3
V.	**ESTABLISHING AN AIRWAY**	**CR**	**Lab/ CC**	**Standards**
	• Review the respiratory system • Perform an initial assessment • Establish the absence or presence of respiration • Demonstrate how to open the airway • Describe airway adjuncts and breathing devices such as airways, suction, barrier shields, and resuscitation mask • Perform rescue breathing	15	0	**Academic:** LS: 11-12.1 **CTE Anchor:** Problem Solving and Critical Thinking: 5.1, 5.2, 5.3, 5.4 Demonstration and Application: 10.2, 10.4 Technical Knowledge and Skills: 11.1, 11.3, 11.4 **CTE Pathway:** B3.10, B4.6, B9.3, B9.5, B9.1, B9.8
VI.	**PATIENT ASSESSMENT**	**CR**	**Lab/ CC**	**Standards**
	• Size-up the scene of the incident • Perform an initial assessment • Perform a physical or secondary assessment • Obtain history from the patient or family • Maintain an on-going assessment during care • Identify the mechanism of injury or nature of illness	30	0	**Academic:** LS: 11-12.1 WHSST: 11-12.7 LS : LS1, LS1.A, LS1.D **CTE Anchor:** Communications: 2.3 Problem Solving and Critical Thinking: 5.2, 5.4 Health and Safety: 6.3, 6.6 Demonstration and Application: 10.2 Technical Knowledge and Skills: 11.1, 11.2, 11.3, 11.4 **CTE Pathway:** B4.2, B4.3, B9.1, B9.2, B9.6, B9.7, B9.3, B9.4, B9.5, B9.9, B9.10, B9.8, B9.11
VII.	**CIRCULATION**	**CR**	**Lab/ CC**	**Standards**

	• Review the circulatory system • Practice CPR skills for an adult victim • Practice CPR skills for the child and infant victim • Discuss common cardiac emergencies	24	0	**Academic:** LS: 11-12.1 RLST: 11-12.2, 11-12.3 LS : LS1.A, LS1 **CTE Anchor:** Communications: 2.3 Technology: 4.1, 4.3 Problem Solving and Critical Thinking: 5.1, 5.2, 5.4 Demonstration and Application: 10.2 Technical Knowledge and Skills: 11.1, 11.2, 11.3, 11.4 **CTE Pathway:** B4.3, B4.6, B4.2, B9.5, B9.3, B9.7, B9.6, B9.1, B9.2, B9.10, B9.8
VIII.	**ILLNESS AND INJURY**	**CR**	**Lab/ CC**	**Standards**
	• Discuss general and specific complaints that are voiced during medical emergencies • Discuss general considerations and specific injuries for bleeding and soft tissue injuries • Review the musculoskeletal system • Describe common injuries to the bones and joints • Discuss common spinal injuries • Discuss injuries to the brain and skull	20	0	**Academic:** RLST: 11-12.2, 11-12.3 **CTE Anchor:** Communications: 2.3 Problem Solving and Critical Thinking: 5.1, 5.2, 5.4 Ethics and Legal Responsibilities: 8.3 Demonstration and Application: 10.2 Technical Knowledge and Skills: 11.1, 11.2, 11.3, 11.4 **CTE Pathway:** B3.7, B3.4, B4.3, B4.2, B9.2, B9.1, B9.3, B9.8, B9.10, B9.11
IX.	**CHILDBIRTH AND CHILDREN**	**CR**	**Lab/ CC**	**Standards**

	• Demonstrate an understanding of the reproductive system and the terminology related to that system • Simulate an emergency delivery • Describe the initial care given to a newborn infant • Demonstrate post-delivery care of the mother • Demonstrate an understanding of the anatomical and physiological concerns when working with infants and children • Establish an airway in an infant or child manikin • Perform an assessment of the child or infant • Describe common problems seen in infants and children • List common causes of trauma in children and infants • Discuss child abuse and neglect • Explain the need for first responder debriefing	13	0	**Academic:** LS: 11-12.1 **CTE Anchor:** Problem Solving and Critical Thinking: 5.1 Demonstration and Application: 10.1, 10.2 Technical Knowledge and Skills: 11.1 **CTE Pathway:** B9.3, B9.5, B9.6, B9.7, B9.8, B9.1
X.	**EMS OPERATIONS**	**CR**	**Lab/ CC**	**Standards**
	• List the phases of response in an emergency • Discuss situations where air medical evacuation would be considered • Describe the procedure for handling hazardous materials • Describe the procedure for handling a mass casualty incident	8	0	**Academic:** LS: 11-12.1 **CTE Anchor:** Leadership and Teamwork: 9.3 **CTE Pathway:** B1.4, B2.2, B2.5, B2.6, B2.4, B6.1, B6.1, B7.1, B7.2, B7.3, B7.4
XI.	**EMPLOYMENT LITERACY**	**CR**	**Lab/ CC**	**Standards**
	• Identify available positions in the industry through the use of the Internet • Complete an application form correctly • Prepare a written resume • Participate in a simulated employment interview	10	0	**Academic:** LS: 11-12.1, 11-12.2, 11-12.3 **CTE Anchor:** Career Planning and Management: 3.1, 3.4 Technology: 4.1 **CTE Pathway:** B1.1, B1.2
XII.	**PERSONAL SKILLS RELATED TO EMPLOYMENT**	**CR**	**Lab/ CC**	**Standards**
	• Demonstrate promptness, attend class regularly, and follow absence notification procedures • Develop and maintain acceptable working relations • Demonstrate the ability to manage time wisely • Demonstrate a positive and cooperative attitude • Demonstrate values of honesty and integrity • Demonstrate respect for others • Dress in a professional manner according to industry standards • Demonstrate appropriate personal hygiene/grooming and dress • Demonstrate responsibility by exerting a high level of effort and working toward a goal	3	0	**Academic:** LS: 11-12.1 **CTE Anchor:** Responsibility and Flexibility: 7.2, 7.3, 7.4, 7.7 Ethics and Legal Responsibilities: 8.2, 8.3, 8.4 **CTE Pathway:** B3.5
XIII.	**INTERPERSONAL SKILLS AND GROUP DYNAMICS**	**CR**	**Lab/ CC**	**Standards**

	• Demonstrate the ability to work as a member of a team • Demonstrate leadership skills by working independently, making appropriate decisions, working well with others, and accepting constructive criticism • Demonstrate the ability to accept and work with individuals from various cultures	3	0	**Academic:** LS: 11-12.1, 11-12.5, 11-12.6 **CTE Anchor:** Communications: 2.1, 2.2, 2.3 Career Planning and Management: 3.2 Responsibility and Flexibility: 7.2, 7.3, 7.4 Ethics and Legal Responsibilities: 8.4 Leadership and Teamwork: 9.1, 9.2, 9.3, 9.6 **CTE Pathway:** B1.1, B3.4, B3.1, B3.2, B3.3, B9.10
XIV.	**THINKING AND PROBLEM SOLVING SKILLS**	**CR**	**Lab/ CC**	**Standards**
	• Utilize problem-solving techniques • Understand logical reasoning • Demonstrate creative thinking • Demonstrate the ability to make sound decisions • Demonstrate the ability to interpret information correctly	3	0	**Academic:** LS: 11-12.1 **CTE Anchor:** Problem Solving and Critical Thinking: 5.1, 5.2, 5.4 **CTE Pathway:** B6.3, B6.2, B6.3, B6.4, B9.8
XV.	**COMMUNICATION SKILLS**	**CR**	**Lab/ CC**	**Standards**
	• Demonstrate effective verbal and written skills • Read technical journals, and write technical reports using appropriate terminology • Listen attentively, follow directions, and relay directions to others • Demonstrate the ability to research and retrieve information	3	0	**Academic:** LS: 11-12.1, 11-12.2, 11-12.6 **CTE Anchor:** Communications: 2.2, 2.3, 2.5 **CTE Pathway:** B3.5, B3.3, B3.7