

**Career-Technical Credit Transfer (CT)²
Emergency Medical Responder (EMR) Career-Technical Assurance Guide (CTAG)
October 23, 2014**

The following program(s)/course(s), indicated by a Career-Technical Articulation Number (CTAN), are eligible for transfer among (CT)² approved secondary programs/courses and state institutions of higher education.

| CTEMS001 Emergency Medical Responder (EMR) | Credits: 2 Semester Hours |
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| <p>Advising Notes: The EMS training program shall be conducted in accordance with the national EMS education standards approved by the National Highway Traffic Safety Administration (NHTSA), the education standards approved by the board, and the scope of practice set forth in rule 4765-12-05 of the Ohio Administrative Code. The national EMS education standards approved by NHTSA and the education standards approved by the board can be found at http://www.ems.ohio.gov/ems_education.stm (click on 03/19/2013 Approved Curriculum Standards).</p> <p>At the conclusion of the Emergency Medical Responder training program, the student will demonstrate entry level competency in the affective, psychomotor and cognitive domains related to each of the following areas of instruction.</p> <p>Submitted course work must include proof of laboratory and clinical components.</p> <p>Prerequisite: A current and valid Emergency Medical Responder certificate</p> | |

Each CTAN identifies the learning outcomes that are equivalent or common in introductory technical courses. In order for students to be able to receive credit under these agreements, the career-technical programs and the state institutions of higher education must document that their course/program content matches the learning outcomes in the CTANs. In accordance with Ohio Revised Code 3333.162, industry standards and certifications provide documentation of student learning. Recognized industry standards are expectations established by business, industry, state agencies, or professional associations. These standards define training program curricular requirements, establish certification or licensure criteria, and often serve as the basis for program accreditation.

Requirements and Credit Conditions:

1. The receiving institution must have a comparable program, major, or courses that have been approved through submission to the Ohio Board of Regents (CT)² approval process for the CTANs listed in this document.
2. Credits apply to courses in the specified technical area at Ohio's public institutions of higher education, provided that the institution offers courses in the specific technical area. In the absence of an equivalent course, and when the institution offers the technical program, the receiving institution will guarantee to grant and apply an equivalent credit value of the Career-Technical Articulation Number (CTAN) toward the technical requirements of the specific degree/certificate program.
3. The applicant must provide proof to the receiving institution that she/he completed a course or program that has been approved through the (CT)² approval process and that she/he holds the appropriate credential or has passed the end-of-program assessment.

4. A career-technical student seeking credit under the terms of this CTAG must apply and be accepted to the college within the currency of the industry certificate or license.
5. A career-technical student who meets all eligibility criteria will receive the credit hour value for the comparable course(s) as offered at the receiving state institution of higher education.
6. The admission requirements of individual institutions and/or programs are unaffected by the implementation of (CT)² outcomes.
7. The transfer of credit through this CTAG will not exempt a student from the residency requirements at the receiving institution.

CTEMS001 – Emergency Medical Responder (EMR)

General Course Description: Emergency Medical Responder (FR) – A combination of subject matter and laboratory experiences designed to prepare individuals to become members of the pre-hospital health care team, working under the direction of a physician. Instruction includes patient assessment, airway management, CPR, automated defibrillation, epinephrine auto-injector administration, illness and injury management, and delivery and newborn care. The personnel trained may be members of fire departments, police departments, safety officers within industry or other agencies that are involved in the emergency treatment and rescue of people.

Credits: 2 Semester Hours

Learning Outcomes:

Outcomes marked with an asterisk are essential and must be taught.

Note: In an effort to limit the size of the CTAG, listed outcomes summarize the specific behavioral objectives of the EMR training course. For greater detail the reader is referred to http://www.ems.ohio.gov/ems_education.stm (click on 03/19/2013 Approved Curriculum Standards).

- (1) Preparatory;*
- (2) Anatomy and physiology;*
- (3) Medical terminology;*
- (4) Pathophysiology;*
- (5) Life span development;*
- (6) Public health;*
- (7) Pharmacology;*
- (8) Airway management, respiration, and artificial ventilation to include:.*
 - (a) Ventilation with flow restricted oxygen powered device;*
 - (b) Pulse oximeter and capnography equipment application and reading.*
- (9) Assessment;*
- (10) Medicine, to include patient-assisted auto-injector epinephrine administration;*
- (11) Shock and resuscitation;*

- (12) Trauma to include:
 - (a) Application of spinal immobilization devices;*
 - (b) Application of splints and management of suspected fractures;*
 - (c) Trauma triage determination.*
- (13) Special patient populations;*
- (14) EMS operations.*

Emergency Medical Responder Panel Participants

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Revisions and Updates Provided by Chuck Sowerbrower, Sinclair Community College, 2014

The Emergency Medical Responder (formerly First Responder) CTAG originated in 2008 with work from the following panel participants:

Faculty and Teachers

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Contributors

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