



QUINSIGAMOND
Community College

Emergency Medical Technician Certificate - Program Proposal, Narrative, & Grid

Author/Originator: Jane E. June

October 2012



This workforce solution is 100% funded by a grant awarded by the U.S. Department of Labor, Employment and Training Administration, TAACCCT grant agreement # TC-22505-11-60-A-25. The solution was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. Massachusetts Community Colleges are equal opportunity employers. Adaptive equipment available upon request for persons with disabilities.

This work is licensed under a Creative Commons Attribution 3.0 Unported License <http://creativecommons.org/licenses/by/3.0>



2012-2013
 QUINSIGAMOND COMMUNITY COLLEGE
**NEW DEGREE PROGRAM OR NEW CERTIFICATE
 PROPOSAL**

Program: Emergency Medical Technician
Division: Healthcare
Degree type: Certificate
CIP code for the degree program or certificate (check with IRaP Office): 51.0904
Attachments: Proposed program grid
Submit separate proposals for any new courses or revised courses in the program.
Provide a rationale for the proposed new program including a narrative for each of the following: <ul style="list-style-type: none"> • How the need for this new program or certificate was determined – Career ladder and Department of Labor grant • How the program was designed - Input within the Healthcare Division and Academic Affairs Leadership Team • Wage analysis where appropriate; consult with IRaP office • How the new program or certificate was reviewed, approved, or developed in conjunction with an advisory board or other external agency – Department of Labor Process Team, Department of Labor Program Team and Academic Affairs Leadership Team • Demonstrated regional employer interest in hiring graduates - Yes
List the program goals. To secure employment in Emergency Medical Services. To continue with education through a career ladder.
Does any aspect of the proposed program affect another department? Please confer with the coordinators of affected departments. No Affected department(s):
For an associate degree program, does the proposed program meet the general education credit requirement for MassTransfer? If no, please provide a rationale.
Does the program or certificate qualify for financial aid? Check with the Director of Financial Aid and fill out the Gainful Employment Form as needed.

Will any of the following be required: Additional staff <u> X </u> Additional space <u> X </u> Additional equipment <u> X </u> Provide a rationale for any needs indicated and include approximate cost of equipment.
Start-up collection of library resources in support of this program: \$2,500

List the Program Student Learning Outcomes in the table below. Indicate the course or courses that will fulfill each outcome and indicate the degree or level of connection between the course and outcome as indicated here.

I – Introductory/Background – There is an indirect relationship between the course and the outcome. The outcome itself is not the focus of the course but at least one element of the course serves as a building block to the achievement of the final outcome. For example, course elements may provide the knowledge, skills or attitudes necessary for the ultimate achievement of the outcome.

M – Intermediate/Transitional - There is more of a direct relationship between the course and the outcome than Introductory. A mixture of course elements supports the final achievement of the outcome, but the final integration of knowledge, skills and attitudes necessary for its achievement is not accomplished in this course. For example, knowledge, skills and/or attitudes (at least 2 of the 3) required for achievement of the outcome may be the focus of the course or course element, but the integration of all three is not.

E – Emphasized – There is a direct relationship between the course and the outcome. At least one element of the course focuses specifically on the complex integration of knowledge, skills and attitudes necessary to perform the outcome.

PROGRAM STUDENT LEARNING OUTCOMES FOR Healthcare Certificate Emergency Medical Technician		Supporting course(s)	I, M, E
1	Students will write effectively.	ENG 100	I
2	Students will gain an understanding of basic microcomputer applications.	CIS 111	I
3	Student will understand the health professions.	ALH 101	I
4	Students will have a basic understanding of basic structure and function of the human body.	BIO 100	I
5	Students will understand and demonstrate skills specific to emergency situations.	EMT 101	I
6			
7			
8			
9			
10			

For a degree program, indicate the courses that fulfill the General Education Student Learning Outcomes.

GENERAL EDUCATION STUDENT LEARNING OUTCOMES FOR Healthcare Certificate Emergency Medical Technician		Supporting course(s)	I,M,E
Communication Skills: Students will write and speak effectively.		ENG 100	I
Information Literacy: Students will locate, evaluate and apply reliable and appropriate information.		ENG 100	I

Quantitative Reasoning: Students will apply the concepts and methods of mathematics to solve problems.		
Scientific Reasoning: Students will relate scientific methods of inquiry to the acquisition of knowledge.	EMT 101	I
Technical Literacy: Students will utilize computer and emerging technologies effectively.	CIS 111	I
Aesthetics: Students will appreciate the variety of human experiences as expressed through the arts.		
Multiple Perspectives: Students will demonstrate knowledge and appreciation of diverse cultures.	EMT 101	I
Ethics: Students will develop an awareness of personal obligations and responsibilities in one's community of influence.	EMT 101	I
Impact of Technology: Students will reflect on the impact of scientific and technological advances on the individual, society and the environment.		
Civic Literacy: Students will demonstrate awareness of the responsibilities of local, national and international citizenship.		

Healthcare Certificate Emergency Medical Technician

Course Title	Course #	Offered	Plan to Tuition	Grade	Credits	Prerequisites
Introduction to the Health Professions	ALH 101	F/S/SU			3	ENG 091 and ENG 096 or appropriate placement score
Introduction to English Composition*	ENG 100	F/S/SU			3	ENG 091 and ENG 096 or appropriate placement score
Introduction to Medical Terminology	ALH 102	F/S/SU			3	Coreq - ENG 100 or appropriate placement score
Introduction to Microcomputer Applications	CIS 111	F/S/SU			3	
Principles of Human Biology	BIO 100	F/S/U			4	ENG 100 or appropriate placement score
Basic Emergency Medical Technology	EMT 101	F/S/U			7	
<i>Total credits required</i>					23	

If students complete the Health Certificate, maintain a GPA of 3.0 and meet the admission requirements of a Healthcare program (see Programs of Study listing on pages 51 and 52) they will be guaranteed admission on a space available basis.

*If student meets the ENG 100 based on a placement score, PSY 101 can be substituted.

EMERGENCY MEDICAL TECHNICIAN CERTIFICATE

Program Goals

The Emergency Medical Technician program prepares a student for a career as an Emergency Medical Technician. Emergency Medical Technicians are important members of the healthcare team.

Student Learning Outcomes

Upon completion of the program graduates will be able to:

- List key developments in the history of EMS, the five types of services that provide emergency care, and discuss the role of the National Scope of Practice and the National EMS Education Standards as they relate to the levels of EMS education.
- Understand the body's topographic anatomy, including the anatomic position and the planes of the body, and the major structures of the respiratory system.
- Explain how pharmacology relates to paramedic clinical practice and describe the regulatory measures affecting medications administered in the pre-hospital setting.
- Describe how to determine the mechanism of injury or nature of illness at an emergency and the importance of differentiating trauma patients from medical patients. Discuss some of the possible hazards that may be present at an emergency scene, ways to recognize them, and the precautions to protect personal safety.
- Define the term trauma and explain its relationship to energy, kinetics, and biomechanics.
- Discuss the importance of the American Heart Association's five links of the Chain of Survival to a successful code. Describe how progressive communities can improve survival of pre-hospital cardiac arrest patients.
- Understand the normal changes that occur in the various body systems during pregnancy.
- Summarize the medical equipment, safety equipment, and operations equipment carried on an ambulance. Provide examples of some high-risk situations and hazards that may affect the safety of the ambulance and its passengers during both pre-transport and transport.

Admissions Process

Admissions inquiries should be directed to admissions@gcc.mass.edu. Prospective students may apply to the program of their choice by following the enrollment steps at the following link: http://www.gcc.edu/pages/Enrollment_Steps.html.

Admissions Requirements

- High School Diploma or GED/High School Equivalency

Students should note that some first semester courses carry minimum prerequisites. Refer to the program grid.

CORI, SORI, Finger Printing & Drug Testing

A Criminal Offenders Record Information (CORI) and Sexual Offenders Record Information (SORI) are required. Finger printing and drug testing may be required. Students should be aware that a prior or current history of criminal or sexual record could prevent them from participation in the program.

Additional Cost

See page 30 for program fees for this program. (Note: Not all programs have program fees). Students should anticipate additional expenses for clinical uniforms, professional liability insurance, clinical parking fees, materials required in the program, EMT practical exam, and EMT written exam.

Location

This program may be completed at the QCC Worcester campus.
This program may be completed at the Worcester Technical High School.
This program may be completed at the QCC Training & Education Center.

Technical Performance Standards

See page 17 for technical standards for this program. (Note: Not all programs have technical performance standards).

Credit for Prior Learning

Students enrolled in this program may be able to earn academic credit for prior learning. Please contact the office of Career Placement Services at careerservices@gcc.mass.edu, 508.854.4439, Room 272 A.

Career Outlook

Please consult The Massachusetts Career Information System at <http://masscis.intocareers.com/> or The Occupational Outlook Handbook at <http://www.bls.gov/oco/> for specific occupational information. The CIP code for this program is 51.0904.

Transfer Articulations & Opportunities

Prospective students may learn more about transfer articulation agreements at the following link: <http://www.gcc.mass.edu/transfer/ArticPathways.html>. More information regarding transfer opportunities is available at: <http://www.gcc.mass.edu/transfer>.

Program Contact: emt@gcc.mass.edu

Additional Program Information: For the most up to date information, go to the program website at www.QCC.edu.

- This is a great opportunity for students to gain entry-level employment in the healthcare field prior to matriculating into a select program.
- Must take the college placement test to determine Math and English levels if no college level courses were previously completed.

EMERGENCY MEDICAL TECHNICIAN CERTIFICATE (Program Code: EMT)

Course Title	Course #	Offered	Plan to Take	Grade	Credits	Prerequisites
Semester 1						
Strategies for College and Career*	ORT 110	F/S/SU			3	Coreq: ENG 090 and ENG 095 or approp place score A grade of "C" or higher in ENG 091 and passing the ENG 096 departmental writing final examination essay or approp place score Coreq: ENG 100 or approp place score ENG 100 or approp place score
Introduction to English Composition**	ENG 100	F/S/SU			3	
Introduction to Medical Terminology	ALH 102	F/S/SU			3	
Introduction to Microcomputer Applications	CIS 111	F/S/SU			3	
Principles of Human Biology	BIO 100	F/S/SU			4	
Basic Emergency Medical Technology***	EMT 101	F/S/SU			7	
Total Credits Required					23	

Program Notes:

If students complete the Health Certificate, maintain a GPA of 3.0 and meet the admission requirements of a Healthcare program (see page 14) they will be guaranteed admission on a space available basis.

*Students are to take ORT 110 with a Healthcare focus.

**If student meets the ENG 100 based on a placement score, PSY 101 can be substituted.

***EMT 101 may be taken as a free-standing course, or as part of the entire certificate.