

**December 31, 2004  
Report of Current Status for an  
Education Program for the  
Paramedic  
at  
Capital Community College/St. Francis Ho  
CoA Program Reference: 600083**

## Sponsoring Institution and Key Personnel

### Sponsoring Institution

Capital Community College/St. Francis Ho  
950 Main Street  
Hartford, CT 6103

Program Number: 600083  
Type of Institution: Unknown

### Program Director

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Report of Current Status Prepared by:

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### Signature

### Program Director

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## **General Program Information**

Program Name: Paramedic

CoA Reference: 600083

## **Clinical Affiliates**

Bristol Hospital EMS -- Bristol, CT

Aetna Ambulance -- Hartford, CT

Middlesex Hospital -- Middletown, CT

UConn Fire Department -- Farmington, CT

Bristol Hospital -- Bristol, CT

Waterbury Hospital -- Waterbury, CT

New Britain Hospital -- New Britain, CT

New Britain EMS -- New Britain, CT

Wallingford Fire Department -- Wallingford , CT

Wallingford Fire Department -- Wallingford , CT

East Hartford Fire Department -- East Hartford, CT

Lawrence & Memorial Hospital -- New London, CT

Ridgefield Fire Department -- Ridgefield , CT

Manchester Fire Department -- Manchester , CT

Wndham Hospital EMS -- Willimantic, CT

American Medical Response -- Hartford, CT

North Dutchess Country EMS -- Danbury, CT

## **Satellite Campuses (if any)**

## Current Goals and Objectives

CoA Program Reference: 600083

### Affective Domain

**Goal:** To prepare students to become competent entry-level Paramedics that meet state and national expectations within the profession.

**Objective:** Upon graduation, the graduate will demonstrate personal behaviors consistent with professional and employer expectations of an entry-level Paramedic.

**Evaluation System:** Employer Survey - Affective  
**Cut Score:** "3" on a Likert Scale of 1 to 5.  
**Validity:** Established by the CoAEMSP.  
**Reliability:** Established by the CoAEMSP.  
**Analysis:** 31 Graduates were given employer evaluations to return to us after 6 months time. Only 7 returned. This is only 23% return rate. However scores on the returned evaluations are consistently high and complementary.  
**Action:** Individual items were reviewed, ratings were consistent with findings that were demonstrated by students throughout the year. Evaluations were obtained by hand delivery and e-mail. We do not meet the tentative threshold of 50% as set by CoAEMSP. With the next graduating class we will again stress the importance of feedback, continue to contact employers individually. WE will also elicit feedback from the EMS coordinators who oversee medical control. Although generic in nature this general feedback will supplement the employer survey.

**Evaluation System:** Graduate Survey - Affective  
**Cut Score:** "3" on a Likert Scale of 1 to 5.  
**Validity:** Established by the CoAEMSP.  
**Reliability:** Established by the CoAEMSP.  
**Analysis:** A summative evaluation tool is distributed to all students at the end of the program to return to us 6 months after graduation. Additionally a second copy is e-mailed to all students one year after graduation. 12 of 31 students returned the student survey. Of the returned evaluations all students felt that they were well prepared for the role of an entry level paramedic.  
**Action:** While the comments were all very positive, the return rate is only 39% - below the 50% set forth by CoAEMSP. We will attempt to maintain a more concise data base so that addresses can be updated and repeat mailings will be done to attempt to improve the return.

## Current Goals and Objectives

CoA Program Reference: 600083

### Cognitive Domain

**Goal:** To prepare students to become competent entry-level Paramedics that meet state and national expectations within the profession.

**Objective:** Upon graduation, the graduate will demonstrate the ability to comprehend, apply, and evaluate information relative to the role of an entry-level Paramedic.

**Evaluation System:** National Registry - Written "OR"  
**Cut Score:** Set by the National Registry.  
**Validity:** Established by the National Registry.  
**Reliability:** Established by the National Registry.  
**Analysis:** 29 students took the National Registry written exam. 24(83%) passed on the first attempt, 5 students subsequently passed with the second attempt. This gives us an overall pass rate of 94%, well above the 70% required by CoAEMSP  
**Action:** This is a high percentage rate of success. We will continue to monitor this - no action required at this time.

**Evaluation System:** Comprehensive Final - Written  
**Cut Score:** Set by the Program.  
**Validity:** Established by the Program.  
**Reliability:** Established by the Program.  
**Analysis:** 24 of the 31 graduates successfully passed the comprehensive final exam. The cut score for our program is 75 which is 5 points above the National Registry cut score. The 24 passing grades provides a 77% pass rate which is above the 70% as set forth by CoAEMSP, however not by much. When looking at content item analysis, there does not appear to be a focused area of material that is affected, it appears to be content spread throughout the curriculum. It continues to be difficult to keep all the material fresh so that students have effective recall of the all the information they have learned. In speaking with students, they state that it is a matter of time management in preparing for the exam. The exam is scheduled at the end of the final semester when they have completed their internship ride time. Many admit that they do not spend adequate time preparing for the exam.

**Action:** We will implement a regular class day through out the next class internship that will be primarily for content review. This will also assist us to physically see the students once a week while they are doing their field time.

**Evaluation System:** Graduate Survey - Cognitive  
**Cut Score:** "3" on a Likert Scale of 10 to 5.  
**Validity:** Established by the CoAEMSP.  
**Reliability:** Established by the CoAEMSP.  
**Analysis:** There is a documented satisfaction with the program with the returned surveys. However, the number of returned surveys is very low compared to the number of graduates. Of the surveys returned, the students responded with satisfaction as to their abilities to perform as an entry level paramedic upon graduation. They responded favorably to course presentation and their own individual efforts.

**Action:** No deficiencies noted of the returned surveys, but we must attempt to increase the number of responses, we had a 39% return rate. This past year we gave the surveys to the graduates as they left the program since previous years we had problems with current addresses after graduation. However, this did not seem to work well either. We will continue to seek current addresses and contacts with the graduates as best we can.

**Evaluation System:** Employer Survey - Cognitive

Cut Score: "3" on a Likert Scale of 1 to 5.  
Validity: Established by the CoAEMSP.  
Reliability: Established by the CoAEMSP.  
Analysis: All surveys returned contained positive comments. Analysis of Current Data: Most employers are pleased with the graduates' abilities at graduation. Comments state that graduates are able to assume the role of an entry-level paramedic. As a matter of fact two students, while interning, were encouraged to return to fill out a job application once they completed the program.  
Action: No deficiencies noted at this time. Will continue to monitor. However we must develop a better system to receive feedback from employers, the return rate is 23% much lower than the 50% required by CoAEMSP. We will develop a better tracking system to encourage feedback via e-mail with repeat mailings to those that do not respond.

Evaluation System: State Exam - Written  
Cut Score: Set by the State.  
Validity: Established by the State.  
Reliability: Established by the State.  
Analysis: There is no state written exam in CT.  
Action:

## Current Goals and Objectives

CoA Program Reference: 600083

### Psychomotor Domain

**Goal:** To prepare students to become competent entry-level Paramedics that meet state and national expectations within the profession.

**Objective:** Upon graduation, the graduate will demonstrate technical proficiency in all of the skills necessary to fulfill the role of an entry-level Paramedic.

**Evaluation System:** National Registry - Practical "OR"  
**Cut Score:** Set by the National Registry.  
**Validity:** Established by the National Registry.  
**Reliability:** Established by the National Registry.  
**Analysis:**  
**Action:**

**Evaluation System:** Graduate Survey - Psychomotor  
**Cut Score:** "3" on a Likert Scale of 1 to 5.  
**Validity:** Established by the CoAEMSP.  
**Reliability:** Established by the CoAEMSP.  
**Analysis:** Of the surveys returned the student were very satisfied with their ability to perform in the psychomotor domain. All entries either agreed or stringly agreed that they were well prepared. The student abilities are not in question at tis point - it is the return percent that we must improve- only 39% of the surveys were returned which doe snot meet CoAEMSP standards.  
**Action:** A more vigorous tracking and mailing system will be implemented to attemp t to increase returned surveys.

**Evaluation System:** Employer Survey - Psychomotor  
**Cut Score:** "3" on a Likert Scale of 1 to 5.  
**Validity:** Established by the CoAEMSP.  
**Reliability:** Established by the CoAEMSP.  
**Analysis:** Of the surveys returned (23%) all employers were satisfied with the psychomotor abilities of the graduates.  
**Action:** The psychomotor abilities of the graduate are not in question, but the return percent of the surveys do not meet CoAEMSP standards. We will incorporate a more vigorous tracking system where repeat questionnaires are mailed in an attempt to increase return.

**Evaluation System:** Comprehensive Final - Practical  
**Cut Score:** Set by the Program.  
**Validity:** Established by the Program.  
**Reliability:** Established by the Program.  
**Analysis:** Students consistently score very high in this category. Similar to other levels of evaluation, if they are at this point of the program, very few are not successful. Lowest ratings were evaluated by item. Advanced skills are completed without difficulty. Deficiencies are noted to be basic skills and issues of local versus national standard/protocols. Additional labs were implemented during school year to include ALS as well as BLS skills. National Registry standards of performance as well as national standards were stressed throughout the year. This is also a testing process done on "home" ground with familiar evaluators. Thus an element of the unknown and nervousness is eliminated, which contributes to this overall success as compared with the National Registry Exam scores.  
**Action:** Scenarios will be developed to be used by evaluators, which will minimize confusion and subjective

thought processes of the evaluators. Additional lab time will be utilized with opportunities for critical thinking and practice. More stations similar to the oral boards will be utilized in future labs.



**Cut Score:** Set by the State.  
**Validity:** Established by the State.  
**Reliability:** Established by the State.  
**Analysis:**  
**Action:**

# Analysis and Action Plans for Job Placement, Enrollment, and Attrition

CoA Reference: 600083

## Job Placement

### Analysis:

All 31 graduates are currently working in the EMS field. This is a high % of job placement.

### Action Plan:

No action needs to be taken at this time. Monitoring will continue

## Enrollment

### Analysis:

Maximum number of student enrollment is 48 - This allows equal opportunity to all clinical areas. 41 (85%) of the maximum number were enrolled.

### Action Plan:

This number is adequate, considering the demographics of our students. Additionally there is a hospital based program which runs two classes a year within 5 miles of the college. Considering the close proximity this enrollment number is good. We will monitor the numbers of future classes.

## Attrition

### Analysis:

There was a 31% attrition rate for the combined students. The % was equal in relation to non-academic vs. academic attrition.

### Action Plan:

Non-Academic Attrition: Conduct information sessions that encourage family participation to stress rigors of program. It must be noted here that three students left the program due to being activated into military obligations and one student was injured at work and required knee surgery. This totals 4 students who probably would have remained in the program. They were all doing well both academically and clinically. Academic Attrition: Only 5 (12%) students left due to academic issues. The new Anatomy & Physiology course made a difference in retention of students. We expect this to continue to positively affect future attrition rates. We will continue to monitor the progress of all students and pay particular attention to identifying study skills and learning styles of students

# Current Program Statistics

CoA Reference: 600083

Job Placement Rate:

Graduation Year	Number of Graduates	Positive Placements	Percent Employed
2004	31	31	100.00%
2003	18	18	100.00%
2002	17	16	94.12%
2001	23	24	104.35%
2000	15	15	100.00%

Program Enrollment and Attrition Table with Current and Past Five Years' Data (if available):

Enrollment Date	Graduation Date	Estimated Number of Applicants	Maximum Number of Students	Number Initially Enrolled	Number Enrolled After Class Start	Total Enrollment	Number In Progress To-Date	Non-Academic Attrition	General Education Courses	RT/Care Courses	Attrition	Attrition	Slip-Out From a Prior Class	Graduating in a Later Class	On-Time With This Class	Total
8/24/2003	12/30/2004	48	48	41	0	41	0	5	0	5	24.39%	10	0	0	31	31
8/26/2002	12/30/2003	29	48	29	0	29	0	6	0	5	37.93%	11	0	0	18	18
1/12/2002	12/30/2002	14	24	14	0	14	0	3	0	3	42.86%	6	0	0	8	8
8/27/2001	8/23/2002	17	24	17	0	17	0	3	0	5	47.06%	8	0	0	9	9
1/11/2001	12/30/2001	14	24	14	0	14	0	2	0	1	21.43%	3	0	0	11	11
8/29/2000	8/24/2001	17	24	17	1	18	1	2	0	3	27.78%	5	0	0	12	12
1/4/2000	11/21/2000	13	24	13	0	13	0	7	0	1	61.54%	8	0	0	5	5
8/21/1999	7/8/2000	15	24	15	0	15	0	2	0	3	33.33%	5	0	0	10	10
1/5/1999	1/20/1999	14	24	14	0	14	0	0	0	2	14.29%	2	0	0	12	12
8/24/1998	7/9/1999	14	24	14	0	14	0	2	0	2	28.57%	4	0	0	10	10

## Enrollment, Attrition, Graduate, Job Placement, and Student Performance Data

For "enrollment/attrition" statistics, upper number is "total enrolled", the lower number is "total attrition".

For each evaluation system, the upper number is the number "attempting" then evaluation system, and the lower number is the number "passing" (at or above the "cut score").

	2004	2003	2002	2001	2000	1999
Job Placement	31	18	16	24	15	22
Number of Graduates	31	18	17	23	15	22
Enrollment/Attrition	41	29	31	32	28	28
	10	11	14	8	13	6
Employer Survey - Affective	7	0	0	0	0	0
	7	0	0	0	0	0
Graduate Survey - Affective	12	18	17	23	15	22
	12	18	17	23	15	22
National Registry - Written "OR"	29	18	16	23	14	22
	29	18	16	23	14	20
Comprehensive Final - Written	31	18	17	23	15	22
	24	16	15	20	13	18
Graduate Survey - Cognitive	12	18	17	23	15	22
	12	18	17	23	15	22
Employer Survey - Cognitive	7	0	0	0	0	0
	7	0	0	0	0	0
National Registry - Practical "OR"	29	18	16	23	14	22
	29	18	16	23	14	20
Graduate Survey - Psychomotor	12	0	0	0	0	0
	12	0	0	0	0	0
Employer Survey - Psychomotor	7	0	0	0	0	0
	7	0	0	0	0	0
Comprehensive Final - Practical	31	18	17	23	15	22
	31	18	17	23	15	21

## Threshold Levels of Success Report

for the Paramedic at  
Capital Community College/St. Francis Ho  
CoA Program Reference: 600083 Data for Report Year 2004

Evaluations and Measures	2004	2003	2002	2001	2000	Threshold	Group 1	Group 2	Group 3
Enrollment	41	29	31	32	28				
Attrition	10	11	14	8	13	30%	-5.87%	-8.46%	-0.68%
Total Graduates	31	18	17	23	15				
Job Placement	31	18	16	24	15	70%	30.00%	30.00%	31.67%
Total "On-Time" Graduates	31	18	17	23	15				
Total "In-Progress" Students	0	0	0	1	0				
Total Graduates Enrolled in Prior Class(es)	0	0	0	0	0				
Total Students Graduating with Later Class(es)	0	0	0	0	0				
Employer Survey - Affective - Attempt	7	0	0	0	0	50%	-50.00%*	-50.00%*	-50.00%*
Employer Survey - Affective - Success	7	0	0	0	0	70%	30.00%		
Graduate Survey - Affective - Attempt	12	18	17	23	15	50%	50.00%	50.00%	50.00%
Graduate Survey - Affective - Success	12	18	17	23	15	70%	30.00%	30.00%	30.00%
National Registry - Written "OR" - Attempt	29	18	16	23	14	0%	98.28%	96.36%	98.33%
National Registry - Written "OR" - Success	29	18	16	23	14	70%	30.00%	30.00%	30.00%
Comprehensive Final - Written - Attempt	31	18	17	23	15	0%	100.00%	100.00%	100.00%
Comprehensive Final - Written - Success	24	16	15	20	13	75%	8.33%	12.93%	12.27%
Graduate Survey - Cognitive - Attempt	12	18	17	23	15	50%	50.00%	50.00%	50.00%
Graduate Survey - Cognitive - Success	12	18	17	23	15	70%	30.00%	30.00%	30.00%
Employer Survey - Cognitive - Attempt	7	0	0	0	0	50%	-50.00%*	-50.00%*	-50.00%*
Employer Survey - Cognitive - Success	7	0	0	0	0	70%	30.00%		
State Exam - Written - Attempt	0	0	0	0	0	0%	0.00%	0.00%	0.00%
State Exam - Written - Success	0	0	0	0	0	70%			
National Registry - Practical "OR" - Attempt	29	18	16	23	14	0%	98.28%	96.36%	98.33%
National Registry - Practical "OR" - Success	29	18	16	23	14	70%	30.00%	30.00%	30.00%
Graduate Survey - Psychomotor - Attempt	12	0	0	0	0	50%	-50.00%*	-50.00%*	-50.00%*
Graduate Survey - Psychomotor - Success	12	0	0	0	0	70%	30.00%		
Employer Survey - Psychomotor - Attempt	7	0	0	0	0	50%	-50.00%*	-50.00%*	-50.00%*
Employer Survey - Psychomotor - Success	7	0	0	0	0	70%	30.00%		
Comprehensive Final - Practical - Attempt	31	18	17	23	15	0%	100.00%	100.00%	100.00%
Comprehensive Final - Practical - Success	31	18	17	23	15	70%	30.00%	30.00%	30.00%
State Exam - Practical - Attempt	0	0	0	0	0	0%	0.00%	0.00%	0.00%
State Exam - Practical - Success	0	0	0	0	0	70%			