

CURRICULUM STANDARD

<i>Effective Term</i> <i>Fall 2002</i> <i>[2002*03]</i>

Curriculum Program Title

Emergency Medical Science

Code

A45340

Concentration

(not applicable)

Curriculum Description

The Emergency Medical Science curriculum is designed to prepare graduates to enter the workforce as paramedics. Additionally, the program can provide an Associate Degree for individuals desiring an opportunity for career enhancement.

The course of study provides the student an opportunity to acquire basic and advanced life support knowledge and skills by utilizing classroom instruction, practical laboratory sessions, hospital clinical experience, and field internships with emergency medical service agencies.

Students progressing through the program may be eligible to apply for both state and national certification exams. Employment opportunities include ambulance services, fire and rescue agencies, air medical services, specialty areas of hospitals, industry, educational institutions, and government agencies.

*Curriculum Requirements**

- I. General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit in Program	64-76	36-48	12-18

**Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.*

Major Hours

[ref. 23 NCAC 02E.0204 ((3))]

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration** (if applicable). A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

Emergency Medical Science A45340

	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE	49 SHC	NR	
Required Courses:			
EMS 110 EMT-Basic	7 SHC		
EMS 120 Intermediate Interventions	3 SHC		
EMS 130 Pharmacology I for EMS	2 SHC		
EMS 131 Advanced Airway Management	2 SHC		
EMS 140 Rescue Scene Management	2 SHC		
EMS 150 Emergency Vehicles & EMS Commun	2 SHC		
EMS 210 Advanced Patient Assessment	2 SHC		
EMS 220 Cardiology	4 SHC		
EMS 240 Special Needs Patients	2 SHC		
EMS 250 Advanced Medical Emergencies	3 SHC		
EMS 260 Advanced Trauma Emergencies	2 SHC		
EMS 270 Life Span Emergencies	3 SHC		
EMS 285 EMS Capstone	2 SHC		
Required Courses:			
Emergency Medical Care. Select 2 SHC:			
EMS 115 Defense Tactics for EMS	2 SHC	<i>or</i>	
EMS 125 EMS Instructor Methodology	2 SHC	<i>or</i>	
EMS 230 Pharmacology II for EMS	2 SHC	<i>or</i>	
EMS 235 EMS Management	2 SHC		
Required Subject Areas:			
Clinical/Field Internship I. Select 2 SHC:			
EMS 121 EMS Clinical Practicum I	2 SHC	<i>or</i>	
EMS 122 EMS Hospital Clinical I	1 SHC	&	
COE 111 Co-op Work Experience I	1 SHC		
Clinical/Field Internship II. Select 3 SHC:			
EMS 221 Clinical Practicum II	3 SHC	<i>or</i>	
EMS 222 EMS Hospital Clinical II	2 SHC	&	
COE 121 Co-op Work Experience II	1 SHC		
<i>Continued on next page</i>			

Approved by the State Board of Community Colleges on November 13, 1996; Revised 08/06/97, 10/15/99; Revised 01/29/01; Corrected 02/05/01; SBCC Revised 11/16/01; SBCC Revised 05/17/02; Corrected 03/09/04; Corrected 08/11/04; Corrected 04/12/05; SBCC Revised 09/21/07.

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<p>Clinical/Field Internship III. Select 3 SHC: EMS 231 EMS Clinical Practicum III 3 SHC <i>or</i> EMS 232 EMS Hospital Clinical III 2 SHC & COE 131 Co-op Work Experience III 1 SHC</p>			
<p>Clinical/Field Internship IV. Select 3 SHC: EMS 241 EMS Clinical Practicum IV 3 SHC <i>or</i> EMS 242 EMS Clinical Practicum IV 2 SHC & COE 211 Co-op Work Experience IV 1 SHC</p>			
<p>B. CONCENTRATION (<i>Not applicable</i>)</p>			
<p>C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i> BIO, CIS, COE, CSC, EMS, HSC, and PED <i>Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.</i></p>			