

**STATE BOARD OF COMMUNITY COLLEGES**  
**CURRICULUM STANDARD REVISIONS**

The State Board is asked to approve revisions to the following curriculum standard(s):

Gaston College  
Emergency Medical Science (A45340)

Johnston Community College  
Early Childhood Education (A55220)

**Contact Person:**

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## CURRICULUM STANDARD REVISION

### Gaston College Emergency Medical Science (A45340)

Gaston College is seeking approval to revise the Emergency Medical Science (A45340) curriculum standard, effective Spring 2014, on behalf of the participating colleges in the Emergency Medical Science Accreditation Alignment project.

The proposed revisions follow:

- Revise the curriculum description
- Add the following required subject areas to the Core:
  - Anatomy & Physiology
  - Terminology
  - Paramedic/Advanced EMT
- Remove the following Subject areas from Core
  - Clinical/Field Internship I
  - Clinical/Field Internship II
  - Clinical/Field Internship III
  - Clinical/Field Internship IV
- Remove the following courses from the required Core:
  - EMS 140 Rescue Scene Management
  - EMS 150 Emergency Vehicles & EMS Commun
  - EMS 210 Advanced Patient Assessment
- Remove the Emergency Medical Care section.
- Remove “not recommended (NR)” from diploma and identify courses designated for diploma.
- Add the following prefixes to the Other Major Hours section of the curriculum standard:
  - EPT and OST.

*Note: The proposed curriculum standard revision includes new and revised courses which will be presented to the Curriculum Review Committee (CRC) on October 24, 2013 as part of the consent agenda. The addition and deletion of courses to the core will result in a change of core hours from 49 SHC to 49-52 SHC for the Associate degree program. EMS courses removed from the core may be included in the other major hours section of the college’s program of study.*

**Rationale of Requesting College:** The proposed revisions are recommended to align the EMS curriculum standard with changes in the national EMS education standards. The EMS curriculum standard allows more flexibility, expands content, strengthens the alignment with Career and College Promise and facilitates diploma and certificate options for the colleges.

The designated courses on the proposed curriculum standard required for the diploma have been determined to meet industry needs. Therefore, the NR has been removed from the standard.

Additional prefixes were added to address job skills that today's emergency medical providers need in order to be effective leaders. The changes will allow programs to focus on knowledge and competencies required for the EMS provider.

**Vote Results:**

Colleges approved to offer the program:	23
Colleges in favor of the recommendations:	12
Colleges opposed to the recommendations:	1
Colleges not responding:	9
Colleges declining to vote:	1

*One college is opposed to the recommendation. They would prefer that the curriculum standard "Terminology" subject area allow the selection of one course (MED 120 Survey of Medical Terminology I, MED 121 Medical Terminology I or OST 141 Medical Terminology I-Medical Office) versus the selection of MED 120 or a sequence of terminology. One college declined to vote since they are not currently offering the program.*

**Coordinator:** Ms. Renee Batts

# PROPOSED CURRICULUM STANDARD

*Effective Term  
Spring 2014  
[2014\*01]*

Curriculum Program Title	<b>Emergency Medical Science</b>	Program Code	<b>A45340</b>
Concentration	<b>(not applicable)</b>	CIP Code:	<b>51.0904</b>

## *Curriculum Description*

The Emergency Medical Science curriculum provides individuals with the knowledge, skills and attributes to provide advanced emergency medical care as a paramedic for critical and emergent patients who access the emergency medical system and prepares graduates to enter the workforce.

Students will gain complex knowledge, competency, and experience while employing evidence based practice under medical oversight, and serve as a link from the scene into the healthcare system.

Graduates of this program may be eligible to take state and/or national certification examinations. Employment opportunities include providers of emergency medical services, fire departments, rescue agencies, hospital specialty areas, industry, educational and government agencies.

## *Curriculum Requirements\**

*[for associate degree, diploma, and certificate programs in accordance with ID SBCCC 400.97 (3)]*

- 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-based learning 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.

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
<b>Total Semester Hours Credit (SHC)</b>	<b>64-76</b>	<b>36-48</b>	<b>12-18</b>

\*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.

**Proposed****Major Hours**

[ref. 1D SBCCC 400.97(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-based learning 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**

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>
<b>Minimum Major Hours Required</b>	<b>49 SHC</b>	<b>30 SHC</b>	<b>12 SHC</b>
<b>A. CORE</b> (Courses required for the diploma are designated with *)	<b>49-52 SHC</b>	<b>40 SHC</b>	
<b>Required Course:</b> *EMS 110 EMT-Basic 8 SHC			
<b>Required Subject Areas:</b> <b>Anatomy &amp; Physiology.</b> Select one: BIO 163 Basic Anatomy & Physiology 5 SHC BIO 166 Anatomy and Physiology II 4 SHC BIO 169 Anatomy and Physiology II 4 SHC			
<b>Terminology.</b> Select one sequence: MED120 Survey of Med Terminology I 2 SHC <i>or</i> MED 121 Medical Terminology I 3 SHC & MED 122 Medical Terminology II 3 SHC <i>or</i> OST 141 Medical Terminology I - Medical Office 3 SHC & OST 142 Medical Terminology II - Medical Office 3 SHC			
<b>Required Subject Area: Advanced EMT/Paramedic</b> (Choose one of the following sets)			
<b>Advanced EMT</b> EMS 120 Advanced EMT 6 SHC EMS 121 AEMT Clinical Practicum 2 SHC			
<b>Paramedic</b> *EMS 122 EMS Clinical Practicum I 1 SHC *EMS 130 Pharmacology 4 SHC *EMS 131 Advanced Airway Management 2 SHC *EMS 160 Cardiology I 2 SHC *EMS 220 Cardiology II 3 SHC *EMS 221 EMS Clinical Practicum II 2 SHC *EMS 231 EMS Clinical Practicum III 3 SHC *EMS 240 Patients with Special Challenges 2 SHC *EMS 241 EMS Clinical Practicum IV 4 SHC *EMS 250 Medical Emergencies 4 SHC *EMS 260 Trauma Emergencies 2 SHC *EMS 270 Life Span Emergencies 3 SHC EMS 285 EMS Capstone 2 SHC			
<b>B. CONCENTRATION</b> (Not applicable)			
<b>C. OTHER MAJOR HOURS</b> To be selected from the following prefixes: <i>BIO, CIS, COE, CSC, EMS, EPT, HSC, MED, ODL, OST, PED, and WBL.</i> Up to three semester hour credits may be selected from the following prefixes: <i>ARA, ASL, CHI, FRE, GER, ITA, JPN, LAT, POR, RUS and SPA</i>			

# CURRENT CURRICULUM STANDARD

Effective Term  
Fall 2002  
[2002\*03]

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\**

*[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.97 (3)]*

- 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-based learning 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.

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
<b>Total Semester Hours Credit (SHC)</b>	<b>64-76</b>	<b>36-48</b>	<b>12-18</b>

*\*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.*

# Current

# Major Hours

[ref. 1D SBCCC 400.97 (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-based learning 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
<b>Minimum Major Hours Required</b>	<b>49 SHC</b>	<b>30 SHC</b>	<b>12 SHC</b>
<b>A. CORE</b>	<b>49 SHC</b>	<b>NR</b>	
<b>Required Courses:</b>			
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		
<b>Required Courses:</b>			
<b>Emergency Medical Care. Select 2 SHC:</b>			
EMS 115 Defense Tactics for EMS	2 SHC	or	
EMS 125 EMS Instructor Methodology	2 SHC	or	
EMS 230 Pharmacology II for EMS	2 SHC	or	
EMS 235 EMS Management	2 SHC		
<b>Required Subject Areas:</b>			
<b>Clinical/Field Internship I. Select 2 SHC:</b>			
EMS 121 EMS Clinical Practicum I	2 SHC	or	
EMS 122 EMS Hospital Clinical I	1 SHC	&	
COE 111 Co-op Work Experience I	1 SHC		
<b>Clinical/Field Internship II. Select 3 SHC:</b>			
EMS 221 Clinical Practicum II	3 SHC	or	
EMS 222 EMS Hospital Clinical II	2 SHC	&	
COE 121 Co-op Work Experience II	1 SHC		
<i>Continued on next page</i>			

## Emergency Medical Science A45340 (continued)





**CURRICULUM STANDARD REVISION**

**Johnston Community College  
Early Childhood Education (A55220)**

Johnston Community College is seeking approval to revise the Early Childhood Education (A55220) curriculum standard, effective Fall 2014.

**Proposed Revision:**

- Add the following course to the Core:

*EDU 234 – Infants, Toddlers and Twos*

*Please note that the course addition will result in an increase in required core hours from 35 to 38 semester hour credits.*

**Rationale of Requesting College:** The Early Childhood Education program prepares individuals to work with children from birth through age eight in diverse learning environments. The EDU 234 course is the only course in the Combined Course Library which focuses specifically on the needs of the youngest children.

Over the last decade, there has been a significant increase in the number of infants and toddlers in regulated child care settings in our state. Unfortunately, research has shown that there is less access to high quality (4 and 5 star) infant/toddler care in NC than high quality preschool programming. In addition, preschoolers have greater access to teachers with higher levels of education than NC infants and toddlers. National studies have shown similar results. It is vital that graduates understand the specific, unique and developmental needs of infants and toddlers.

**Vote Results:**

Colleges approved to offer the program:	58
Colleges in favor of the revision:	37
Colleges opposed to revision:	6
Colleges not responding:	15

*The colleges that are opposed to the revision noted that there are components of the developmental needs of infants and toddlers in EDU 119 Introduction to Early Childhood Education and EDU 144 Child Development I, which are core courses. They also felt that the additional course requirement decreases local flexibility.*

**Director:** Jennifer Frazelle

Curriculum Program Title: Early Childhood Education  
 Concentration: Not applicable

Program Code: A55220  
 CIP Code: 13.1210

**Curriculum Description**

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

**Curriculum Requirements\***

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.97 (3)]

- 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-based learning 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
<b>Total Semester Hours Credit (SHC)</b>	<b>64-76</b>	<b>36-48</b>	<b>12-18</b>

\*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.

# PROPOSED

# Major Hours

[ref. 1D SBCCC 400.9 (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-based learning 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.

## Early Childhood Education A55220

	AAS	Diploma	Certificate
<b>Minimum Major Hours Required</b>	<b>49 SHC</b>	<b>30 SHC</b>	<b>12 SHC</b>
<b>A. CORE</b> <i>Courses required for the diploma are designated with *</i> <b>Required Courses:</b> <ul style="list-style-type: none"> <li>* EDU 119 Intro to Early Child Edu 4 SHC</li> <li>* EDU 131 Child, Family, &amp; Commun 3 SHC</li> <li>* EDU 146 Child Guidance 3 SHC</li> <li>* EDU 151 Creative Activities 3 SHC</li> <li>* EDU 153 Health, Safety &amp; Nutrit 3 SHC</li> <li>* EDU 221 Children with Exceptional 3 SHC</li> <li><b>EDU 234 Infants, Toddlers &amp; Twos 3 SHC</b></li> <li>EDU 271 Educational Technology 3 SHC</li> <li>EDU 280 Language &amp; Literacy Exp 3 SHC</li> <li>EDU 284 Early Child Capstone Prac 4 SHC</li> </ul> <b>Required Subject Area:</b> <ul style="list-style-type: none"> <li><b>*Child Development. Select one set:</b></li> <li>EDU 144 Child Development I 3 SHC</li> <li>&amp; EDU 145 Child Development II 3 SHC</li> <li>OR</li> <li>PSY 244 Child Development I 3 SHC</li> <li>&amp; PSY 245 Child Development II 3 SHC</li> </ul>	<del>35 SHC</del> <b>38 SHC</b>	25 SHC	
<b>B. CONCENTRATION</b> (Not applicable)			
<b>C. OTHER MAJOR HOURS</b> <i>The remaining other major hours may be chosen from the following prefixes:</i> ACC, ANT, ART, ASL, AST, BIO, BUS, CHM, CIS, COE, COM, CSC, CTS, DAN, DBA, DRA, ECO, EDU, ENG, FRE, GEO, GER, HEA, HIS, HUM, MUS, OST, PED, PHI, PHS, POL, PSY, REL, SCI, SOC, SPA, WBL, and WEB  <i>Up to three semester hour credits may be selected from the following prefixes: ARA, ASL, CHI, FRE, GER, ITA, JPN, LAT, POR, RUS and SPA.</i>			