

CURRICULUM STANDARD

Effective Term
Spring 2019
[2019*01]

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

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 1D SBCCC 400.10]

- 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	48	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)	64-76	54-60	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

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
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
CORE (Courses required for the diploma are designated with *)	48-50 SHC	48-50 SHC	
Required Course:			
* EMS 110 EMT 9 SHC			
Required Subject Areas:			
Anatomy & Physiology. Select one:			
* BIO 161 Intro to Human Biology 3 SHC			or
* BIO 163 Basic Anatomy & Physiology 5 SHC			
BIO 166 Anatomy and Physiology II 4 SHC			
BIO 169 Anatomy and Physiology II 4 SHC			
Required Subject Area: Advanced EMT/Paramedic (Choose one of the following sets)			
Advanced EMT			
EMS 120 Advanced EMT 6 SHC			
EMS 121 AEMT Clinical Practicum 2 SHC			
Paramedic			
* EMS 122 EMS Clinical Practicum I 1 SHC			
* EMS 130 Pharmacology 4 SHC			
* EMS 131 Advanced Airway Management 2 SHC			
* EMS 160 Cardiology I 3 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 4 SHC			
* EMS 285 EMS Capstone 2 SHC			
B. CONCENTRATION (Not applicable)			
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes: BIO, CIS, CSC, EMS, EPT, HSC, HUM, MED, ODL, OST, PAD, PED, and WBL.</i> <i>Up to two semester hour credits may be selected from ACA.</i> <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>			

** This program is approved by the State Board of Community Colleges to exceed maximum standard hours for a diploma program [ref. 1D SBCCC 400.9 (c)].