# Emergency Medical Science
## (Certificate – Level 2)

## Texas Southmost College
## Health Care, Career and Technical Education Division

Traditionally, Emergency Medical Science (EMS) personnel work on ambulances as part of EMS services. However, the field is versatile, since Paramedics possess a unique set of skills. Emergency medical facilities hire Emergency Medical Technicians and Paramedics as emergency room technicians; plasma donation centers hire them as medical screeners; law enforcement agencies hire them as tactical medics with SWAT teams; oil platforms hire them as safety officers; critical care transport companies utilize them as flight medics and fire departments frequently utilize them as fire medics.

**FIRST YEAR - FALL SEMESTER**                                                     **CREDIT HOURS**
EMSP 1160 Clinical Emergency Medical Technician I ...................................................................................1
EMSP 1501 Emergency Medical Technician ...............................................................................................5
PSYC 2301 General Psychology ................................................................................................................3
BIOL 2301  Human Anatomy & Physiology I ............................................................................................3

**FIRST YEAR - SPRING SEMESTER**
EMSP 1161 Clinical Emergency Medical Technician II..............................................................................1
EMSP 1355 Trauma Management.................................................................................................................3
EMSP 1356 Patient Assessment and Airway Management..........................................................................3
BIOL  2302 Human Anatomy & Physiology II............................................................................................3
MATH 1332[+] Contemporary Mathematics ................................................................................................3

**SUMMER III (Extended Summer 10 weeks)**
EMSP 2260 Clinical Emergency Medical Technician III ............................................................................2
EMSP 2305 EMS Operations .......................................................................................................................3
EMSP 2306 Emergency Pharmacology........................................................................................................3

**SECOND YEAR - FALL SEMESTER**
EMSP 2261 Clinical Emergency Medical Technician IV ............................................................................2
EMSP 2434 Medical Emergencies ...............................................................................................................4
EMSP 2444 Cardiology................................................................................................................................4
ENGL 1301 [+] Composition I ……………………………………………………………………….3

TOTAL CREDIT HOURS FOR GRADUATION - 46

+ Grade of "C" or better is required for graduation.

TSI Requirement (Texas Success Initiative - any other state-approved test) - Student must take all three sections of state-approved test to graduate with this degree.

A minimum grade of "C" must be obtained in each (BIOL & EMSP) course required in the degree plan.