

**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.

<b>FIRST YEAR - FALL SEMESTER</b>	<b>CREDIT HOURS</b>
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

<b>FIRST YEAR - SPRING SEMESTER</b>	
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

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

<b>SECOND YEAR - FALL SEMESTER</b>	
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.