

Degree Description

The Paramedicine Program is designed to prepare students for a career in emergency medical services. Students successfully completing the two-year program will be eligible to apply for Texas paramedic licensure.

Regular admission to the college is required. Contact the program director for more information. If developmental courses are needed for Texas Success Initiative requirements, it is recommended such courses be completed before enrolling in the program.

For more information, visit the program website.

McLennan Community College is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

Marketable Skills

- 1.The ability to communicate with affirming words and empathy while reaming calm and demonstrating competence.
- 2.Ability to triage during an emergency care need.
- 3.Determining the proper care to patients.
- 4.Function in team settings to accomplish goals and tasks.

Program Prerequisites

These courses are recommended prerequisites

BIOL 2404 Anatomy & Physiology (specialized)	4 hours
HPRS 1206 Essentials of Medical Terminology	2 hours
PSYC 1100 Learning Framework	1 hours

Total prerequisite hours: 7 hours

Semester I	Hours
PSYC 2301 General Psychology	3 hours
BIOL 2401 Anatomy & Physiology I	4 hours
ENGL 1301 Composition I	3 hours
MATH 1332 Contemporary Mathematics (Quantitative Reasoning)	3 hours
	13 hours

Semester II	Hours
EMSP 1438 Introduction to Advanced Practice	4 hours
EMSP 1161 Clinical - Emergency Medical Technology/Technician - Intermediate I	1 hours
EMSP 1455 Trauma Management	4 hours
EMSP 1456 Patient Assessment and Airway Management	4 hours
EMSP 2137 Emergency Procedures	1 hours
	14 hours

Summer Semester	Hours
EMSP 2434 Medical Emergencies	4 hours
EMSP 2306 Emergency Pharmacology	3 hours
	7 hours

Semester III	Hours
EMSP 2444 Cardiology	4 hours
EMSP 2430 Special Populations	4 hours
EMSP 2237 Emergency Procedures	2 hours
EMSP 2305 EMS Operations	3 hours
EMSP 2164 Field Internship	1 hours
EMSP 2162 Clinical - Emergency Medical Technology/Technician	1 hours
	15 hours

Semester IV	Hours
BIOL 2402 Anatomy & Physiology II	4 hours
Language, Philosophy, & Culture elective <i>or</i> Creative Arts elective	3 hours
EMSP 2268 Field Internship	2 hours
	9 hours

Summer Semester	Hours
EMSP 2243 Assessment Based Management	2 hours
	2 hours

Electives/General Education Courses

Creative Arts

ARTS 1301 Art Appreciation	3 hours
ARTS 1303 Art History I (Prehistoric to the 14th Century)	3 hours
ARTS 1304 Art History II (14th Century to the Present)	3 hours
DRAM 1310 Introduction to Theater	3 hours
DRAM 2361 History of Theater I	3 hours
DRAM 2362 History of Theater II	3 hours
HUMA 1315 Fine Arts Appreciation	3 hours
MUSI 1306 Music Appreciation	3 hours
MUSI 1308 Music Literature I	3 hours
MUSI 1309 Music Literature II	3 hours
MUSI 1310 American Music	3 hours

Language, Philosophy, & Culture

ENGL 2321 British Literature	3 hours
ENGL 2322 British Literature I	3 hours
ENGL 2323 British Literature II	3 hours
ENGL 2326 American Literature	3 hours
ENGL 2327 American Literature I: Up to the Civil War	3 hours
ENGL 2328 American Literature II: Civil War to the Present	3 hours
ENGL 2331 World Literature	3 hours
ENGL 2332 World Literature I: Up to the 17th Century	3 hours
ENGL 2333 World Literature II: 17th Century to the Present	3 hours
ENGL 2341 Forms of Literature	3 hours
FREN 2311 Intermediate French I	3 hours
GERM 2311 Intermediate German I	3 hours
HUMA 1301 Introduction to Humanities I	3 hours
HUMA 1302 Introduction to Humanities II	3 hours
PHIL 1301 Introduction to Philosophy	3 hours
PHIL 1304 Introduction to World Religions	3 hours
PHIL 2306 Introduction to Ethics	3 hours
SPAN 2311 Intermediate Spanish I	3 hours
SGNL 2301 Intermediate ASL I	3 hours

Course Descriptions

BIOL 2404 Anatomy & Physiology (specialized)

Study of the structure and function of human anatomy, including the neuroendocrine, integumentary, musculoskeletal, digestive, urinary, reproductive, respiratory, and circulatory systems. Content may be either integrated or specialized. Semester Hours 4 (3 lec/3 lab)

HPRS 1206 Essentials of Medical Terminology

A study of medical terminology, word origin, structure, and application. Semester Hours 2 (2 lec)

PSYC 1100 Learning Framework

A study of the 1) research and theory in the psychology of learning, cognition, and motivation, 2) factors that impact learning, and 3) application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned. (Cross-listed as EDUC 1100.) Semester Hour 1 (1 lec)

PSYC 2301 General Psychology

General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes. NOTE: Must have passed the reading portion of the TSI Assessment or have credit for INRW 0402. Semester Hours 3 (3 lec)

BIOL 2401 Anatomy & Physiology I

Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, and nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. NOTE: Must have passed the reading and writing portion of the TSI Assessment or have credit for INRW 0402. Semester Hours 4 (3 lec/3 lab)

ENGL 1301 Composition I

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis is on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus is on writing the academic essay as a vehicle for learning, communication, and critical analysis. Prerequisite: TSI complete in Reading and Writing or the equivalent. Semester Hours 3 (3 lec)

MATH 1332 Contemporary Mathematics (Quantitative Reasoning)

Intended for Non STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be covered. Graphing calculator required. Prerequisite: TSI math complete or MATH 0308 or consent of division chair. Semester Hours 3 (3 lec)

EMSP 1438 Introduction to Advanced Practice

Explores the foundation necessary for mastery of the advanced topics of clinical practice in and out of the hospital. Scenarios, case studies, and simulations included in this course assist the student to develop critical thinking skills that can be applied in simulated pre-hospital care environments. Prerequisites: Current Texas EMT certification. Must contact EMS/Paramedicine program director to be advised on immunization details, application processes, and deadlines. Corequisites: EMSP 1456, 2137, 1455, and 1161. Semester Hours: 4 (3 lec/2 lab)

EMSP 1161 Clinical - Emergency Medical Technology/Technician - Intermediate I

Provides hospital clinical and pre-hospital work-based learning experiences with the supervision of a qualified preceptor. Students interact directly with patients, family members, and hospital and pre-hospital employees and assist in the provision of care and services. Students complete 40 hours of ambulance ride-outs and 25 hours of emergency department experience and record all activities on detailed forms that are reviewed, approved, and submitted to the course instructor. Student documentation of patient care and procedures completed or assisted with are maintained in the student's file. On-site clinical instruction, supervision, evaluation, and placement are the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. Includes hospital setting for Basic level. Prerequisites: Current Texas EMT Certification, HPRS 1206, BIOL 2404, and acceptable TSI Assessment scores. Must contact EMS/Paramedicine program director to be advised on immunization details, application process, and deadlines. Corequisites: EMSP 1162, 1173, 1438, 1455, 1456, and 2271. Semester Hour 1 (6 clinical hours/week)

EMSP 1455 Trauma Management

Studies the knowledge and skills necessary to reach competency in the assessment and management of patients with traumatic injuries. Scenarios, case studies, and simulations included in this course assist the student to develop critical thinking skills in assessing and assisting with the treatment of patients with traumatic injuries. Prerequisites: Current Texas EMT Certification, HPRS 1206, BIOL 2404, and acceptable TSI Assessment scores. Must contact EMS/Paramedicine program director to be advised on immunization details, application process, and procedures. Corequisites: EMSP 1161, 1162, 1173, 1438, 1456, and 2271. Semester Hours 4 (3 lec/2 lab)

EMSP 1456 Patient Assessment and Airway Management

Studies the knowledge and skills necessary to reach competency in the assessment and management of patients with airway disease or injury. Scenarios, case studies, and simulations included in this course assist the student to develop critical thinking skills in assessing and assisting with the treatment of patients with airway injuries or acute respiratory illnesses. Prerequisites: Current Texas EMT certification. Must contact EMS/Paramedicine program director to be advised on immunization details, application processes, and deadlines. Corequisites: EMSP 1438, 2137, 1455, and 1161 Semester Hours: 4 (3 lec/2 lab)

EMSP 2137 Emergency Procedures

Instruction in a laboratory environment concentrating on practical skills and critical thinking abilities. Topics include a variety of skills appropriate to the student's training level. Required verification of specific skills may be included. Prerequisites: Students must have current Texas EMT certification; successful completion of BIOL 2404 and HPRS 1206. Semester Hours 1 (2 lab)

EMSP 2434 Medical Emergencies

A detailed study of the knowledge and skills in the assessment and management of patients with medical emergencies. Prerequisites: Current Texas EMT Certification, HPRS 1206, BIOL 2404, EMSP 1161, 1162, 1438, 1455, 1456, 2161, 2338, and 2348. Must have acceptable TSI Assessment scores. Must contact EMS/Paramedicine program director to be advised on immunization details, application process, and deadlines. Corequisites: EMSP 1173, 2162, 2163, 2271, 2430, and 2444. Semester Hours 4 (3 lec/2 lab)

EMSP 2306 Emergency Pharmacology

A study of drug calculations, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages. Prerequisites: Successful completion of EMSP 1161, 1438, 1455, 1456, and 2137. Students must have current Texas EMT certification. Semester Hours: 3 (2 lec/2 lab)

EMSP 2444 Cardiology

Assessment and management of patients with cardiac emergencies. Includes single and multi-lead ECG interpretation. Prerequisites: Current Texas EMT Certification, HPRS 1206, BIOL 2404, EMSP 1161, 1162, 1438, 1455, 1456, 2161, 2338, and 2348. Must have acceptable TSI Assessment scores. Must contact EMS/Paramedicine program director to be advised on immunization details, application process, and deadlines. Corequisites: EMSP 1173, 2162, 2163, 2271, 2430, and 2434. Semester Hours 4 (3 lec/3 lab)

EMSP 2430 Special Populations

A detailed study of the considerations and challenges that must be addressed in order to competently provide emergency care to patients who are from nontraditional populations. This course provides essential information needed to develop a plan of care for neonatal, pediatric, gynecologic, obstetric, geriatric, psychiatric, chronically ill, and/or otherwise diverse patients. Prerequisites: Current Texas EMT Certification, HPRS 1206, BIOL 2404, EMSP 1161, 1162, 1438, 1455, 1456, 2161, 2338, and 2438. Must have acceptable TSI Assessment scores. Must contact EMS/Paramedicine program director to be advised on immunization details, application process, and deadlines. Corequisites: EMSP 1173, 2162, 2163, 2271, 2434, and 2444. Semester Hours 4 (3 lec/3 lab)

EMSP 2237 Emergency Procedures

Instruction in a laboratory environment concentrating on practical medical skills and critical thinking abilities. Topics include a variety of skills appropriate to the student's training level. Required verifications of specific skills may be included. Prerequisites: Must have current Texas EMT certification. Successful completion of BIOL 1404, HPRS 1206, EMSP 1438, EMSP 1456, EMSP 2137, EMSP 1455, EMSP 1161, EMSP 2434, and EMSP 2348. Semester Hours 2 (6 clinical hrs/wk)

EMSP 2305 EMS Operatioins

A detailed study of the knowledge and skills needed to safely manage the scene of an emergency. Prerequisites: Successful completion of EMSP 1161, 1438, 1455, 1456, and 2137. Students must have current Texas EMT certification. Semester Hours: 3 (2 lec/2 lab)

EMSP 2164 Field Internship

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct Supervision is provided by the clinical professional. Prerequisites: Student must have current EMT certification; successful completion of BIOL 2404, HPRS 1206, EMSP 1438, 1456, 2137, 1455, 1161, 2434, and 2348. Semester Hours 1 (7 clinical hrs/wk)

EMSP 2162 Clinical - Emergency Medical Technology/Technician

Provides hospital clinical and pre-hospital work-based learning experiences with the supervision of a qualified preceptor. Students interact directly with patients, family members, and hospital and pre-hospital employees and assist in the provision of care and services. Students complete 85 hours of ambulance ride-outs and 25 hours of emergency department experience and record all activities on detailed forms that are reviewed, approved and submitted to the course instructor. Student documentation of patient care and procedures completed or assisted with are maintained in the student's file. On-site clinical instruction, supervision, evaluation and placement are the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. Includes hospital setting for Advanced level. Prerequisites: Current Texas EMT Certification, HPRS 1206, BIOL 2404, EMSP 1161, 1162, 1438, 1455, 1456, 2161, 2338 and 2348. Must have acceptable TSI Assessment scores. Must contact EMS/Paramedicine program director to be advised on immunization details, application process and deadlines. Corequisites: EMSP 1173, 2163, 2271, 2430, 2434, and 2444. Semester Hours 1 (5 clinical hours/week)

BIOL 2402 Anatomy & Physiology II

Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. Prerequisite: BIOL 2401 with a grade of C or better. Semester Hours 4(3 lec/3 lab)

EMSP 2268 Field Internship

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct Supervision is provided by the clinical professional. Prerequisites: Must have current EMT certification. Successful completion of BIOL 2404, HPRS 1206, EMSP 1438, EMSP 1456, EMSP 2137, EMSP 1455, EMSP 1161, EMSP 2434, EMSP 2348, EMSP 2164, and EMSP 2162. Semester Hours 2 (14 clinical hrs/wk)

EMSP 2243 Assessment Based Management

Assessment and management of patients with cardiac emergencies. Includes single and multi-lead ECG interpretation. Prerequisites: Must have current EMT certification. Successful completion of BIOL 2404, HPRS 1206, EMSP 1438, EMSP 1456, EMSP 2137, EMSP 1455, EMSP 1161, EMSP 2434, EMSP 2348, EMSP 2164, EMSP 2162, and EMSP 2268. Semester Hours 2 (5 lab)

ARTS 1301 Art Appreciation

A general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural, and historical contexts. Semester Hours 3 (3 lec)

ARTS 1303 Art History I (Prehistoric to the 14th Century)

A chronological analysis of the historical and cultural contexts of the visual arts from prehistoric times to the 14th century. Semester Hours 3 (3 lec)

ARTS 1304 Art History II (14th Century to the Present)

A chronological analysis of the historical and cultural contexts of the visual arts from the 14th century to the present day. Semester Hours 3 (3 lec)

DRAM 1310 Introduction to Theater

Survey of all phases of theater including its history, dramatic works, stage techniques, production procedures, and relation to the fine arts. Participation in major productions may be required. Applies as a required Humanities or Visual & Performing Arts course for all students. Semester Hours 3 (3 lec)

DRAM 2361 History of Theater I

Study of the history of the theater from primitive times through the Renaissance. Required of theatre majors; open to non-theatre majors. Semester Hours 3 (3 lec)

DRAM 2362 History of Theater II

Study of the history of the theater from the Renaissance through today. Required of theatre majors; open to non-theatre majors. Semester Hours 3 (3 lec)

HUMA 1315 Fine Arts Appreciation

This course is an exploration of the purposes and processes in the visual and performing arts (such as music, painting, architecture, drama, and dance) and the ways in which they express the values of cultures and human experience. Semester Hours 3 (3 lec)

MUSI 1306 Music Appreciation

Understanding music through the study of cultural periods, major composers, and musical elements. Illustrated with audio recordings and live performances. (Does not apply to a music major degree.) Applies as a required humanities or fine arts course for all students. Semester Hours 3 (3 lec)

MUSI 1308 Music Literature I

Survey of the principal musical forms and cultural periods as illustrated in the literature of major composers. Surveys music literature from Gregorian chant to the early classical period. Emphasis is on music materials and listening skills through recorded music and scores. Required for music majors and minors. Semester Hours 3 (3 lec)

MUSI 1309 Music Literature II

Survey of the principal musical forms and cultural periods as illustrated in the literature of major composers. Surveys music literature from the classical period to the present. Emphasis is on music materials and listening skills through recorded music and scores. Required for music majors and minors. Semester Hours 3 (3 lec)

MUSI 1310 American Music

General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music. Satisfies general humanities elective requirements. Semester Hours 3 (3 lec)

ENGL 2321 British Literature

A survey of the development of British literature from the Anglo-Saxon period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Prerequisite: ENGL 1301 or ENGL 2311. Semester Hours 3 (3 lec)

ENGL 2322 British Literature I

A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Prerequisite: ENGL 1301 or ENGL 2311. Semester Hours 3 (3 lec)

ENGL 2323 British Literature II

A survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Prerequisite: ENGL 1301 or ENGL 2311. Semester Hours 3 (3 lec)

ENGL 2326 American Literature

A survey of American literature from the period of exploration and settlement to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character. Prerequisite: ENGL 1301 or ENGL 2311. Semester Hours 3 (3 lec)

ENGL 2327 American Literature I: Up to the Civil War

A survey of American literature from the period of exploration and settlement through the Civil War. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character. Prerequisite: ENGL 1301 or ENGL 2311. Semester Hours 3 (3 lec)

ENGL 2328 American Literature II: Civil War to the Present

A survey of American literature from the Civil War to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character. Prerequisite: ENGL 1301 or ENGL 2311. Semester Hours 3 (3 lec)

ENGL 2331 World Literature

A survey of world literature from the ancient world to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Prerequisite: ENGL 1301 or ENGL 2311. Semester Hours 3 (3 lec)

ENGL 2332 World Literature I: Up to the 17th Century

A survey of world literature from the ancient world through the 16th century. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Prerequisite: ENGL 1301 or ENGL 2311. Semester Hours 3 (3 lec)

ENGL 2333 World Literature II: 17th Century to the Present

A survey of world literature from the 17th century to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Prerequisite: ENGL 1301 or ENGL 2311. Semester Hours 3 (3 lec)

ENGL 2341 Forms of Literature

The study of one or more literary genres including, but not limited to, poetry, fiction, drama, and film. Prerequisite: ENGL 1301 or ENGL 2311. Semester Hours 3 (3 lec)

FREN 2311 Intermediate French I

Review and application of skills in listening comprehension, speaking, reading, and writing. Emphasizes conversation, vocabulary acquisition, reading, composition, and culture. Prerequisite: FREN 1412, three years of high school French, or consent of instructor or division chair. Students with three years of high school French are encouraged to see a French instructor prior to enrolling. Semester Hours 3 (3 lec)

GERM 2311 Intermediate German I

Review and application of skills in listening comprehension, speaking, reading, and writing. Emphasizes conversation, vocabulary acquisition, reading, composition, and culture. Prerequisite: GERM 1412, three years of high school German, or consent of instructor or division chair. Students with three years of high school German are encouraged to see a German instructor prior to enrolling. Semester Hours 3 (3 lec)

HUMA 1301 Introduction to Humanities I

This stand-alone course is an interdisciplinary survey of cultures focusing on the philosophical and aesthetic factors in human values with an emphasis on the historical development of the individual and society and the need to create. Team taught by faculty from diverse departments as a colloquium (academic seminar led by a different lecturer and on a different topic at each session). Works may include studies, journals, novels, poems, treatises, graphic novels, films, plays, paintings, musical compositions, etc. Semester Hours 3 (3 lec)

HUMA 1302 Introduction to Humanities II

This stand-alone course is an interdisciplinary survey of cultures focusing on the philosophical and aesthetic factors in human values with an emphasis on the historical development of the individual and society and the need to create. Team taught by faculty from diverse departments as a colloquium (academic seminar led by a different lecturer and on a different topic at each session). Works may include studies, journals, novels, poems, treatises, graphic novel films, plays, paintings, musical compositions, etc. Semester Hours 3 (3 lec)

PHIL 1301 Introduction to Philosophy

A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in philosophy may include theories of reality, theories of knowledge, theories of value, and their practical applications. Semester Hours 3 (3 lec)

PHIL 1304 Introduction to World Religions

A comparative study of world religions, including but not limited to Hinduism, Buddhism, Judaism, Christianity, and Islam. Semester hours 3

PHIL 2306 Introduction to Ethics

The systematic evaluation of classical and/or contemporary ethical theories concerning the good life, human conduct in society, morals, and standards of value. Semester Hours 3 (3 lec)

SPAN 2311 Intermediate Spanish I

The consolidation of skills acquired at the introductory level. Further development of proficiency in listening, speaking, reading and writing. Emphasis is on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. Prerequisite: SPAN 1412, three years of high school Spanish, or consent of instructor or division chair. Students with three years of high school Spanish are encouraged to see a Spanish instructor prior to enrolling. Semester Hours 3 (3 lec)

SGNL 2301 Intermediate ASL I

Review and application of conversational skills in American Sign Language and interpreting from signing to voice as well as from voice to signing. Introduction to American Sign Language literature and folklore. Prerequisite: SGNL 1402 with a grade of C or better or consent of the program director. Semester Hours 3 (3 lec)
