

- CETT 2435 Advanced Microprocessors** 4.3.4
An advanced course utilizing the microprocessor in control systems and interfacing. Emphasis on microprocessor hardware and implementation of peripheral interfacing. Prerequisite: CETT 1445.
- CETT 2449 Research and Project Design** 4.1.3
Principles of electrical/electronic design encompassing schematics wiring, diagrams, materials lists, operating characteristics, completion schedules, and cost estimates. Prerequisite: CETT 1429.
- ELMT 2433 Industrial Electronics** 4.3.3
A study of devices, circuits, and systems primarily used in automated manufacturing and/or process control including computer controls and interfacing between mechanical, electrical, and electronic, and computer equipment. Presentation of programming schemes.
- ELMT 2437 Electronic Troubleshooting** 4.3.3
In-depth coverage of electronic systems, maintenance, troubleshooting, and repair. Topics include symptom identification, proper repair procedures, repair checkout, preventive maintenance. Emphasis on safety and proper use of test equipment. May be offered as a capstone course. Prerequisite: EMLT 2433
- EEIR 1201 Math for Electronics Technicians** 2.1.2
An applied mathematics course with emphasis on the numbering systems, calculations and problem solving skills needed to solve for electronic circuit parameters. Schematic diagrams and electronic terminology are introduced.

Emergency Medical Services

Paris Junior College offers an Associate's Degree of Applied Science in Emergency Medical Services and Intermediate and Paramedic certificates for Emergency Medical Technicians. Careers in this field may be found with fire departments, public and private emergency medical services, hospitals, industrial safety, and flight services. Students in the certificate programs do not need to take the THEA test; students pursuing an AAS degree must take the THEA test. Students seeking admission should contact the EMS faculty, Health Occupations Department or the Counseling Department at PJC.

Associate of Applied Science In Emergency Medical Services (67 hours)

First Semester	Second Semester
PSYC 1100 or EDUC 1100 EMSP 1501 EMSP 1160	EMSP 1438 EMSP 1356 EMSP 2348 EMSP 1161 BIOL 2401

Third Semester	Fourth Semester
EMSP 1355 EMSP 2434 EMSP 2444 EMSP 1162*	EMSP 2338 EMSP 2143 EMSP 2266* EMSP 2160 EMSP 2330
Fifth Semester	Sixth Semester
COSC 1401 ENGL 1301 PSYC 2301 SPCH 1315 or 1321	BIOL 2402 Humanities (3 Credit Hours) MATH 1314

* This course contains an external capstone (field) experience.

EMSP 1501	Emergency Medical Technician (EMT) Basic - includes all the skills necessary to provide emergency medical care at a basic life support level with an ambulance service or other specialized services.	5.5.4
EMSP 1160	Clinical Basic - Emergency Medical Technology/Technician 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.	1.0.6
EMSP 1161	Paramedic Clinical I 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.	1.0.5
EMSP 1162	Paramedic Clinical II 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.	1.0.6
EMSP 1355	Trauma Management A detailed study of the knowledge and skills in the assessment and management of patients with traumatic injuries.	3.2.3
EMSP 1356	Patient Assessment and Airway Management A detailed study of the knowledge and skills required to perform patient assessment and airway management.	3.2.2
EMSP 1438	Introduction to Advanced Practice An exploration of the foundations necessary for mastery of the advanced topics of clinical practice out of the hospital.	4.3.2
EMSP 2143	Assessment Based Management Comprehensive, assessment-based patient care management. Includes specific care when dealing with pediatric, adult, geriatric, and special needs patients.	1.0.2

EMSP 2160	Paramedic Clinical III 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.	1.0.6
EMSP 2266	Practicum (Field Experience) - EMT/Technician or Paramedic Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.	2.0.14
EMSP 2330	Special Populations A detailed study of the knowledge and skills necessary to reach competence in the assessment and management of ill or injured patients in nontraditional populations.	3.3.0
EMSP 2338	Emergency Medical Services Operations A detailed study of the knowledge and skills to safely manage the scene of an emergency.	3.3.0
EMSP 2348	Emergency Pharmacology A detailed study of the knowledge and skills required to perform patient assessment and airway management.	3.2.3
EMSP 2434	Medical Emergencies A detailed study of the knowledge and skills in the assessment and management of patients with medical emergencies.	4.4.3
EMSP 2444	Cardiology Assessment and management of patients with cardiac emergencies. Includes basic dysrhythmia interpretation, recognition of 12-lead EKGs for field diagnosis, and electrical and pharmacological interventions.	4.2.4

CERTIFICATE IN EMERGENCY MEDICAL TECHNICIAN - INTERMEDIATE (25 Credit Hours)

Prerequisites:

PSYC 1100 or EDUC 1100 Learning Frameworks

EMSP 1501 Emergency Medical Technician (EMT) - Basic

EMSP 1160 Emergency Medical Technician - Clinical Basic

First Semester

EMSP 1438 Introduction to Advanced Practice

MDCA 1309* Anatomy and Physiology for Medical Assistants

EMSP 2348 Emergency Pharmacology

EMSP 1161 Paramedic Clinical I

EMSP 1356 Patient Assessment and Airway Management

Second Semester

EMSP 1162** Paramedic Clinical II

EMSP 1355 Trauma Management

* A&P I or A&P II may be substituted for MDCA 1309

** Course contains an external capstone (field) experience.

CERTIFICATE IN EMERGENCY MEDICAL TECHNICIAN - PARAMEDIC (43 Credit Hours)

Prerequisites:

PSYC 1100 or EDUC 1100 Learning Frameworks
 EMSP 1501 Emergency Medical Technician (EMT)
 EMSP 1160 Clinical Basic - Emergency Medical Technician

First Semester

EMSP 1161 Paramedic Clinical I
 MDCA 1309 Anatomy and Physiology for Medical Assistants
 EMSP 1356 Patient Assessment and Airway Management
 EMSP 1438 Introduction to Advanced Practice
 EMSP 2348 Emergency Pharmacology

Second Semester

EMSP 1162** Paramedic Clinical II
 EMSP 1355 Trauma Management
 EMSP 2434 Medical Emergencies
 EMSP 2444 Cardiology

Third Semester

EMSP 2143 Assessment Based Management
 EMSP 2160 Paramedic Clinical III
 EMSP 2266** Practicum (Field Experience) - EMT/Technician or Paramedic
 EMSP 2330 Special Populations
 EMSP 2338 Emergency Medical Services Operations

* BIOL 2401 or BIOL 2402 may be substituted for MDCA 1309

** Course contains an external capstone (field) experience.

Engineering

Suggested Course of Study for University Transfer Students (85-88 Credit Hours)

Freshman Year	Sophomore Year
PSYC 1100 or EDUC 1100	ECON 2301 or 2302
CHEM 1411	ENGR 2301
CHEM 1412	ENGR 2302
DFTG 1405	GOVT 2305
ENGL 1301	GOVT 2306
ENGL 1302	Humanities (3 Credit Hours)
HIST 1301	MATH 2320
HIST 1302	MATH 2415
Lab Science (8 Credit Hours)	PHED Activity (1 Credit Hour)
MATH 2413	Visual/Fine Arts (3 Credit Hours)
MATH 2414	Computer (3-4 Credit Hours)
PHED 1134	
PHYS 2425	
PHYS 2426	
SPCH 1315 or 1321	

Note: Completion of the Field of Study may require an additional term(s). In the Core Curriculum for engineer majors ENGL 1301 no longer fulfills degree requirements at some universities; however, it must be taken (or tested out of) in order to meet the prerequisites for ENGL 1302.