EMERGENCY MEDICAL SERVICES

ASSOCIATE OF APPLIED SCIENCE DEGREE AND CERTIFICATE PROGRAMS

People's lives often depend on the quick reaction and competent care of Emergency Medical Technicians (EMTs) and Paramedics. They determine the nature and extent of illness or injury and establish priorities for patient care. Emergency Medical Services establishes the educational path to rewarding careers for Maine Licensed EMT and EMT- Paramedics. The Emergency Medical Services program include a progression through two Certificate programs.

These include: Advanced EMT Certificate and the Paramedic Certificate. Students may also pursue the Associates Degree in Applied Science.

The Kennebec Valley Community College Paramedic Program 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).

"I knew that I wanted to help people, but nothing in healthcare seemed like the right fit for me. Then I discovered the path to becoming a Paramedic, and everything fell into place."



Pre-Hospital Emergency Care



What Emergency Medical Services graduates do:

- Cardiopulmonary resuscitation
- Cardioversion
- Aid in childbirth
- EKG monitoring
- Administer medications
- IV therapy

Career Opportunities:

- Air ambulance services
- Private ambulance services
- Law enforcement agencies
- Fire departments
- Hospitals
- Clinics

For further questions about this program, please contact: kvccadmissions@mainecc.edu

EMERGENCY MEDICAL SERVICES

Advanced EMT Certificate

First Semester

EMS101 Advanced EMT I 9

Second Semester

EMS102 Advanced EMT II 9

A student must be licensable for the AEMT National Registry.

Total Credits **18**

Paramedic Certificate

First Semester

EMS200 Paramedic I 7
EMS201 Paramedic Clinical I 3

Second Semester

EMS202 Paramedic II 8
EMS203 Paramedic Clinical II 4

Third Semester

EMS204 Paramedic III 7
EMS205 Paramedic Clinical III 3

Total Credits **32**

Associate of Applied Science Degree

In addition to the 50 credits earned in the Advanced EMT and Paramedic Certificates, students will complete the following to earn the AAS Degree with a total of 79 credits.

BIO213 Anatomy and Physiology I 4
BIO214 Anatomy and Physiology II 4
COM105 Interpersonal Communications 3
SOC101 Introduction to Sociology 3
ENG101 College Composition 3
MAT111 Quantitative Reasoning 3
PHI110 Introduction to Contemporary Ethics . . 3
PSY1 01 Introduction to Psychology 3
PSY215 Developmental Psychology 3

Total Credits **29**

CRITERIA FOR GRADUATION

Students in the Advanced EMT Certificate and the Paramedic Certificate are expected to pass all courses with a "B- " or better. All general education courses in the Associate's Degree program are expected to be passed with a "C" or better.

EMERGENCY MEDICAL SERVICES

Associate of Applied Science Degree and Certificates

DESCRIPTION

The Emergency Medical Services Program is a multiple entrance/multiple exit program. It allows students to exit at the end of each certificate and upon successful completion of all degree requirements. Students will be eligible for Maine State licensure and national certification at the Advanced EMT level upon successful completion of the Advanced EMT Certificate, and Paramedic level upon successful completion of the Paramedic Certificate. Students who complete the prescribed general education requirements will receive the Associate of Applied Science degree.

The program is designed to provide the graduate with knowledge, skills, and behaviors to deliver emergency care safely and competently at all levels.

PROGRAM MISSION

The mission of the Emergency Medical Services Program at Kennebec Valley Community College is to prepare EMT, Advanced EMT and Paramedic level providers who are competent in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter the field of emergency medical care.

EDUCATIONAL OUTCOMES

Upon successful completion of the Associate of Applied Science degree, the graduate is expected to:

1. Be eligible for the appropriate level of professional credentialing.
2. Behave ethically with tolerance and respect for cultural and ethnic diversity in patients, family members, and fellow health care providers.
3. Demonstrate effective communication skills with patients, family, and coworkers.
4. Demonstrate the critical thinking ability necessary for problem solving and differential diagnosis in emergency medicine.
5. Maintain professional knowledge, skills, and behaviors through lifelong learning.

ADMISSIONS REQUIREMENTS

General admission guidelines can be found on page 34 in the catalog. Additional admission requirements are as follows:

Immunization and CPR Requirements

1. Current CPR Certification - Basic Life Support (BLS) from the American Heart Association (AHA)
2. Proof of immunization against TDAP within the last ten years.
3. Proof of immunization against Measles, Mumps, and Rubella (MMR). If non-immune, two doses MMR vaccine is required for persons born after 1957.
4. Proof of immunization against Hepatitis Series B and Titre (6+ month process). If non-immune, a waiver is required.
5. Proof of immunization against chicken pox with a Varicella Titre. If non-immune, two doses of Varicella virus vaccine is required.
6. An influenza vaccine is required annually in the fall by health care facilities

Required Licensing

Students must have a Basic EMT license to be accepted into the Advanced EMT program. Students must have an Advanced EMT license to be accepted into the Paramedic program

PROGRAM INFORMATION:

Criminal Background Checks

Applicants to certain programs need to note that a criminal background check will likely be required while enrolled in the program or as a condition of employment in the field. Certain internship and/or practicum sites, such as health care facilities, may limit or deny clinical privileges to those students who have a prior or current criminal record.

- Should a clinical facility refuse to permit a student to complete a clinical rotation based upon the student's criminal background check, the student may not be able to complete the program. In the event a student is denied placement at a clinical site the College will likely be required to enter an academic dismissal from the program.
- Additionally, certain licensing boards may refuse to issue a license to practice based upon prior or current criminal offense (s). To learn more about whether the program or profession in which you are interested has such requirements or limitations, contact the appropriate Department Chair.

Infectious Diseases

Applicants who consider a career in Nursing or the Allied Health professions should be aware that during the course of their education and subsequent employment, they will be working in situations where exposure to infectious diseases is probable. This is an

occupational risk for all health care workers. Persons should not become healthcare workers unless they recognize and accept this risk. Proper education and strict adherence to well-established infection control guidelines, however, can reduce the risk to a minimum. Thorough education in infection control procedures is an integral part of each health care program.

Finger Printing
Finger printing may be required by certain clinical or fieldwork placements. Students are responsible for the cost associate with securing finger prints.

Exposure to Latex
Additionally, applicants should be aware that exposure to natural rubber latex (NRL) is likely. Individuals exposed to NRL products may develop allergic reactions such as skin rashes; hives; nasal, eyes, or sinus symptoms; and, rarely, shock.

Costs
Costs associated with required immunizations, criminal background checks, finger printing (when applicable) and admission testing are the responsibility of the applicant.

Drug Testing
Drug testing may be a requirement of clinical/ fieldwork education sites. Students will be responsible for the cost of such testing if required by the site.

The Kennebec Valley Community College Paramedic Program 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).

To contact CAAHEP:
Commission on Accreditation of Allied Health Education Programs
25400 U.S. Highway 19 North, Suite 158
Clearwater, FL 33763
www.caahep.org

To contact COAEMSP:
8301 Lakeview Parkway, Suite 111-312
Rowlett TX 75088
(214) 703-8445
FAX (214) 703-8992
www.coaemsp.org

The **Emergency Medical Services** program technical standards have been developed to inform students of the nonacademic essential functions of the program and profession. Examples are not all inclusive.

Standard	Essential Function	Examples
Communication Oral / Written	• Skills sufficient to communicate information and ideas so others will understand • Skills sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds in a calm therapeutic manner.	• Document relevant patient information (manual or via computer) using correct terminology and spelling • Interpret doctor's orders • Record patient responses to treatments • Establish rapport with patients, families, and other health care providers

Mobility / Motor Skills	• Motor skills sufficient to move the hands and use hands to grasp or manipulate objects
	• Mobility sufficient to perform physical activities that require considerable use of arms and legs and moving the whole body
	• Mobility sufficient to perform physical activities that require dexterity and flexibility to move body in a variety of positions
		• Utilize instruments with patients
		• Move around in patients' rooms and treatment areas
		• Maneuver in confined spaces
		• Environments may include extreme heat, cold, or moisture with uneven terrain.
		• Physical activities may include:
		  • Running
		  • Bending
		  • Stooping
		  • Lifting
		  • Reaching

Standard	Essential Function	Examples
Physical Strength and Stamina	• Ability to stand for extended periods of time • Ability sufficient to lift and carry an average of 125 pounds independently or 250 pounds with assistance.	• Stand and walk up to 24-hour shifts • Lift and/or maneuver patients • Lift and move equipment such as a gurney • Ability to self-rescue from dangerous environments.
Sensory **• Sight** **• Sound** **• Taste** **• Touch** **• Smell**	• Visual skills sufficient to see details at close range and manipulate equipment • Listening skills sufficient to communicate with others • Identify various sounds • Ability to touch and locate anatomy on patients to perform physical assessments • Ability to tolerate various odors	• Observe patient responses to treatment • Hear equipment/emergency alarms, or call for help • Listen to heart, lung, and blood pressure sounds • Feel for pulse • Work with patients with poor hygiene. • Operate in industrial environments with loud sounds.
Environmental / Occupational Exposure	• Frequent exposure to communicable and infectious diseases, secretions, blood, and bodily fluids • Exposure to environmental hazards • Possible exposure to X-ray radiation • Ability to work under high stress and traumatic situations and respond promptly • Work in confined spaces	• Possible exposure to HIV, hepatitis, etc. • Exposure to X-ray radiation, medicinal preparations, latex, and toxic substances • Respond appropriately in emergency to maintain patient safety and care • Possible exposure to violence, domestic abuse, and death.
Field or Industry Professional Standards	• Criminal background check • CPR certification • Valid Driver's License • Immunization requirements	• Additional federal law requirements • Medical Ethics

For more specific information please see the Maine EMS functional position description found at www.maine.gov/ems