

EMERGENCY MEDICAL SERVICES ASSOCIATE OF APPLIED SCIENCE DEGREE PROGRAM

The paramedic is an Allied Health professional and the highest level of licensure attainable for practice in the pre-hospital setting. Before learning the invasive skills of a paramedic, you must remain proficient in all of the skills acquired at the EMT level of training, which is why EMT remains a prerequisite for Paramedic education. What sets paramedic education apart is the complex level of knowledge and depth of understanding required to make decisions regarding invasive treatments, electrical therapies and pharmacological interventions for the acutely ill and critically injured patient. The paramedic scope of practice, with its complex invasive therapies and pharmacology demands acquiring and maintaining skill proficiency with high risk and low frequency procedures. Examples of frequently performed complex skills include venous access and medication administration and the acquiring and interpretation of diagnostic EKG's. High risk, low frequency procedures include electrical therapies such as transcutaneous pacing and cardioversion, endotracheal intubation, needle thoracotomy and surgical cricothyrotomy. The paramedic serves as the team leader and is responsible for determining the patient's condition and acuity, directing the actions of the team to ensure standard of care and reduce morbidity and mortality, and allocating medical resources including assigning personnel with respect to their scopes of practice. The complexity of skill and depth of knowledge required to function as a Paramedic and the risk to the patient if skills are improperly or inappropriately performed, necessitates an adequate background knowledge in basic and applied sciences and a formal medical education. Graduation from a CoAEMSP accredited EMS education program is a requirement for NREMT exam eligibility and subsequent Paramedic licensure

The Paramedic program is a comprehensive program based on the U.S. Department of Transportation's EMT-Paramedic National Education Standards. The program is designed to prepare the student for the challenges of Emergency Health Care. Combining quality instruction and real-world experience, the Paramedic program is quickly earning a reputation as one of the finest EMS training programs in the State of Michigan. First-time pass rates on the National Registry of EMTs exam are higher than both the national and state averages.

KVCC's Paramedic program is accredited through CAAHEP by the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP):

8301 Lakeview Parkway, Suite 111-312, Rowlett, TX 75088, Phone: (214) 703-8445.

<http://www.coaemsp.org/>

The Emergency Medical Services Associates of Applied Science Degree Program is a four-semester (two year) Associate Degree program beginning each Fall semester. A total of 24 students can be accepted into each program. You must successfully complete the courses sequentially to be eligible to take the National Registry exam for Paramedic. Classes meet two days per week on Tuesdays and Thursdays. There are two, 2-hour lectures and an afternoon lab each day. Students are required to complete a minimum number of skills and patient encounters during their clinical experience. Students are scheduled for approximately 600 clinical hours. Clinical rotations will be scheduled with area ambulance services, hospitals and fire departments.

Eligibility Criteria

To be considered for admission into the Emergency Medical Services Associate of Applied Science program a student must:

1. **New students:** Submit a general admissions application to Kalamazoo Valley Community College (www.kvcc.edu) and list "EMS" as your program choice. **Current KVCC students:** Change program code status to "EMS" by contacting a counselor at 269-488-4040.
2. Provide the Admissions & Records Office with all official college transcripts, if applicable.
3. Students must have an overall KVCC GPA of 2.0 or higher in all subjects if they have taken classes here before.
4. Schedule an appointment with a counselor at 269-488-4040 to develop a course plan and/or verify that you are on track to apply. **This is a critical step to complete early in your admission process!**
5. Be 18 years of age to participate in clinical rotations.
6. Meet the Reading score requirement: **ACT: 14, COMPASS: 65, SAT: 22, or Accuplacer: 53**
The Reading score requirement cannot be waived by ANY prior coursework or college degrees.
7. Meet the Math requirement one of several ways:
 - a. Submit minimum ACT, COMPASS, or SAT scores (see scores below),
 - b. Complete free Accuplacer/ALEKS Math testing in Room 2210 (no appointment necessary), **OR**
 - c. Complete Math 100 (Health Careers Math) or a higher level Math course with at least a 2.0.

ACT Math: 18, COMPASS Pre-Algebra: 50, SAT Math: 23.5, Accuplacer Arithmetic: 80, or ALEKS: 14

8. **Complete the following prerequisite requirements:**
 - **BIO 110 "Anatomy & Physiology"** (minimum grade of 2.0) or transfer in its equivalent (at least 4 credit hours and must have a lab component).
 - **BIO 210 "Human Physiology"** (minimum grade of 2.0) or transfer in its equivalent (at least 4 credit hours and must have a lab component).
 - Have current NREMT Certification or proof of eligibility to sit for the exam. **Beginning Paramedic students are expected to pass National Registry (EMT-B) exams and obtain licensing from the Michigan Department of Health & Human Services before the start of clinical courses.** (www.NREMT.org).
 - Have current American Heart Association BLS Provider CPR certification.

Application Information

- Health Careers Applications are available at www.kvcc.edu or by emailing healthcareers@kvcc.edu.
- **Applications are accepted April 1 – 15 each year for the following Fall program, and are ranked based on overall GPA (from KVCC if available and from all applicable transfer institutions).**
- Completed applications may be submitted to the Information Desk by the Faculty Offices **April 1 – 15** for entry consideration into the Fall program. Early applications will be returned. If seats remain available after April 15 applications will continue to be accepted until the program is full.
- **The Immunization form must be completed when you apply.** The TB test and health physical can be completed AFTER acceptance into the program since these two items are only valid for one calendar year. The flu immunization is not required at the time of application; however students MUST receive the flu immunization during the Fall semester of the program. **Please note that a Rubella titer (#4 on the form) is REQUIRED.**
- All eligibility criteria (listed above) must be completed to be accepted into the program.
- A negative criminal background check (**on-campus** Live Scan fingerprinting) will be required upon acceptance.
- A negative drug screen will be required – testing will be done **on campus** the first or second week of class.

For more information, contact the Health Careers Admissions Coordinator at healthcareers@kvcc.edu.

**EMERGENCY MEDICAL SERVICES
ASSOCIATE OF APPLIED SCIENCE DEGREE PROGRAM OUTLINE**

*Tuition rates are determined by the legal residence of the student and are subject to change. All rates are *per Contact Hour**
In-District: \$107 ~ Michigan Out of District: \$184 ~ Out of State: \$247 ~ International: \$279

Semester I – Fall or Winter Start	<u>Credit Hours</u>	<u>Contact (Billing) Hours</u>
*EMT 105 Medical First Responder (1st 8 weeks)	3	4
*EMT 111 EMT Part I (2nd 8 weeks)	3	4
BIO 110 Anatomy and Physiology	4	6
ENG 110 College Writing I	3	3
PSY 150 Introductory Psychology	3	3
Semester Subtotal:	16	20

Estimate of Cost (Based On In-District Rate)	
Tuition	\$2,140.00
Enrollment Fee	\$34.00
General Fee	\$84.00
Semester I Subtotal:	\$2,258.00

*Students completing EMT 105 are eligible to sit for
Medical First Responder exams offered by the NREMT and subsequent MDHHA Licensure

Semester II – Winter or Summer	<u>Credit Hours</u>	<u>Contact (Billing) Hours</u>
*EMT 112 EMT Part II (1st 8 weeks)	3	4
*EMT 115 EMT Clinical (2nd 8 weeks)	1	3
BIO 210 Human Physiology	4	6
COM 210 Fundamentals of Professional Communication	3	3
WPE 101 Principles of Fitness and Health	2	2
MTH 100 Health Careers Math	1	1
EMT 124 Emergency Pharmacology	2.5	2.5
Semester Subtotal:	16.5	21.5

Estimate of Cost (Based On In-District Rate)	
Tuition	\$2,300.50
Enrollment Fee	\$34.00
General Fee	\$84.00
Semester II Subtotal:	\$2,418.50

*Students will receive their Basic EMT certificate after completion of EMT 105, 111, 112 & 115
See reverse for estimated cost based on in-district rate for BASIC EMT Certificate Only

Semester III – Fall	<u>Credit Hours</u>	<u>Contact (Billing) Hours</u>
EMT 134 Emergency Medicine Foundations	3	4
EMT 136 Advance Live Support I	1.5	1.5
EMT 138 Trauma and Emergency Care I	1.5	4.5
EMT 144 Patient Assessment	2.5	3.5
EMT 154 Advanced Cardiac Life Support	2.5	3.5
EMT 164 EMS Systems Operations	2.5	3.5
WPE 128 Managing Stress	1	1
Semester Subtotal:	14.5	21.5

Estimate of Cost (Based On In-District Rate)	
Tuition	\$2,300.50
Enrollment Fee	\$34.00
General Fee	\$84.00
Semester III Subtotal:	\$2,418.50

Semester IV – Winter	<u>Credit Hours</u>	<u>Contact (Billing) Hours</u>
EMT 234 Medical Emergencies	2.5	3.5
EMT 236 Advanced Life Support II	2	2
EMT 238 Trauma and Emergency Care II	1.5	4.5
EMT 244 Pre-hospital Trauma Life Support	2.5	3.5
EMT 246 Advanced Life Support III	2	2
EMT 248 Intensive and Critical Care Clinic	2	6
EMT 254 Special Considerations	2.5	3.5
Semester Subtotal:	15	25

Estimate of Cost (Based On In-District Rate)	
Tuition	\$2,675.00
Enrollment Fee	\$34.00
General Fee	\$84.00
Semester IV Subtotal:	\$2,793.00

Semester V – Summer	<u>Credit Hours</u>	<u>Contact (Billing) Hours</u>
EMT 265 Field Internship	5	5
EMT 263 Employability Certifications	2	3
Semester Subtotal:	7	8

Estimate of Cost (Based On In-District Rate)	
Tuition	\$856.00
Enrollment Fee	\$34.00
General Fee	\$84.00
Semester V Subtotal:	\$974.00

Program Total 69 96
Credits Contact Hours

Overall Program Cost Estimate for EMS AAS Degree:

Tuition and Fees

Tuition (based on in-district rate)

EMT Course Sequence	\$1,605.00
Paramedic Course Sequence	\$5,992.00
General Education and Prerequisite Courses	\$2,675.00
Tuition Subtotal (based on in-district tuition)	\$10,272.00

Fees (MFR, EMT and Paramedic included)	\$590.00
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\$10,862.00

Additional Estimated Costs

Miscellaneous Costs: Books, clinicals, travel FIDAP, etc. <i>(This includes miscellaneous costs for MFR, EMT and Paramedic)</i>	\$850.00
Health Physical (after acceptance, if needed)	\$100.00
Immunizations and/or titers (prior to acceptance, if needed)	\$250.00
Miscellaneous Costs: Live Scan, Drug Test, Flu Shot	\$115.00

\$1,315.00

Total approximate cost:	\$12,177.00
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Post Graduation Costs:

NREMT Written Exam: \$125

MREMT Practical Exam: Varies by location

Michigan Licensing: \$80

*NOTE: KVCC's Paramedic program offers students the potential opportunity to receive the following provisional certifications at **no additional cost**: PHTLS, PEPP, NDBLS and ACLS. If completed independently, these certifications could cost approximately \$1,000