Program Description

The Emergency Medical Technology-Paramedic Certificate Program is designed for both the career and volunteer provider.

The EMT-Paramedic Certificate Program at the South Campus is designed to meet the national standard for Emergency Medical Technology-Paramedic. Paramedics staff pre-hospital advanced life support units, as well as emergency industrial health and safety units. Also, many paramedics assume other roles in clinical settings.

This program’s primary objective is to prepare students to become certified as paramedics and effective components in the delivery of pre-hospital advanced life support.

Full-time (day and evening programs): The two-semester, 53-week EMT-Paramedic Certificate Program begins in August and concludes the following August. During the first 32 weeks, there is a mixture of lecture and laboratory work in the areas of pathophysiology, advanced airway management, patient assessment, pharmacology, respiratory and cardiology, emergency operations and medical emergencies involving pediatrics and geriatrics. In addition to class work, the student will also perform clinical rotations through the University at Buffalo Medical School Cadaver Lab, operating room, medical dispatch center, emergency departments, Gates Vascular Institute Stroke Unit and the Dae-men College gross anatomy lab.

The last twenty weeks in the classroom continues to include a mixture of on campus lecture and labs covering trauma, general medical emergencies involving the various organ systems and concluding with intense Advanced Life Support patient simulation labs. Complementing the classroom work are clinical rotations in the Cardiac Cath-EP and stress labs, obstetrics, adult and pediatric emergency departments, geriatrics and psychiatry.
In accordance with the requirements of 10 NYCRR Part 800,,Satisfactory completion of the Basic EMT certification and field.
Applicants are strongly encouraged to be an active member of
Paramedic

Basic EMT.

- Individuals must be 18 years old to receive New York State Basic EMT certification.
- Basic EMT course is offered at North and South campuses both fall and spring semesters, along with other program electives.
- Satisfactory completion of the Basic EMT certification and field experience does not guarantee admission into the paramedic degree or certificate program.
- In accordance with the requirements of 10 NYCRR Part 800, students must not have been convicted of any misdemeanors or felonies. Students with convictions will be individually reviewed by the New York State Department of Health and may not be automatically barred from certification. The New York State Department of Health will determine if the conviction is applicable under the provisions of Part 800.

Paramedic

- Applicants are strongly encouraged to be an active member of a volunteer, commercial or municipal EMS agency and attain as much EMT patient care field experience (in a non-driving role) as possible prior to entering the program. EMT faculty believes paramedic program success is heavily influenced by the amount of patient care experience the applicant brings with them into the program.
- Students must contact the Emergency Medical Technology Department at South Campus for an interview and preliminary advisement prior to registration.
- Graduation applications are required upon successful completion of the program. Students must meet all of the following prerequisites:
  - maintain a current New York State EMT certification beyond the end date of the EMT-Paramedic Certificate Program;
  - hold a high school diploma or equivalent;
  - a student who previously attended SUNY Erie must be in good academic standing; and
  - students are required to get a physical examination with the appropriate immunizations signed by a physician verifying physical fitness to provide advanced life support.

Required Math Competencies
Student must successfully complete the SUNY Erie pretest for math (AARLV2 or higher). If you do not score at the AARLV2 level or higher on the placement test you may:
  - enroll in and successfully complete the SUNY Erie non-credit math course MT 003 prior to the start of the EMT - Paramedic Certificate Program; or
  - study on your own material similar to the content of the pretest and retake the pretest to score at the AARLV2 level.

The math pretest may be waived if you meet one of the following:
  - scored 500 points or higher on the math section of the SAT;
  - successfully completed a college level math course; or
  - passed the New York State Math Regents examination with a score of 85 percent (B) or higher within the last three years.

Required English Competencies
Student must successfully complete the SUNY Erie pretest for English (AWRLV3 and ARELV3 or higher). If you do not score at the AWRLV3 and ARELV3 level or higher, you may:
  - enroll in and successfully complete the English non-credit courses as indicated by pre-testing, prior to the start of the EMT-Paramedic Certificate Program; or
  - retake the pretest.

The English placement test may be waived if you meet one of the following:
  - scored 300 points or greater on the English section of the SAT;
  - successfully completed a college level English course; or
  - passed the New York State English Regents exam with a score of 85 percent (B) or higher within the last 3 years.

Department Notes
Basic EMT - Program competencies include the following:
  - perform proper Body Substance Isolation;
  - properly conduct a patient history, physical examination and vital signs of a medical and trauma patient;
  - properly manage medical and trauma patients according to national standard protocols;
  - demonstrate manual airway maneuvers;
  - administer oxygen therapy utilizing the nasal cannula and non-rebreather mask;
  - apply the proper airway management adjuncts to include suctioning oral and nasal airways;
  - perform positive pressure ventilation using Bag Valve Mask (BVM) ventilation;
  - demonstrate CPR and choking maneuvers and the proper use of an Automatic External Defibrillator (AED) and attain American Heart Association CPR credential at Healthcare Provider level;
  - assist with self-administration of nitroglycerin and aspirin;
  - perform with medical direction the administration of nebulized albuterol;
  - properly manage central nervous system injuries to include: spinal immobilization techniques utilizing cervical collars, KED, short and long spine boards and helmet removal techniques;
• properly manage orthopedic emergencies utilizing padded board splints, traction splints, and vacuum splints;
• properly manage soft tissue injuries and treatment of shock, demonstrating bleeding control and bandaging techniques and the application of MAST pants;
• demonstrate techniques for assisting with normal and abnormal obstetrical emergencies;
• demonstrate techniques for managing psychiatric emergencies and the application of patient restraints;
• demonstrate proper lifting and moving techniques utilizing a stretcher, stair chair and manual lifts;
• demonstrate proper radio communications techniques;
• provide accurate written documentation in a Patient Care Report (PCR); and
• explain the role of medical direction and performing as a team member.

Advanced EMT - Must perform all the competencies of a Basic EMT and all the following:
• perform peripheral vascular access demonstrating proper utilization of an angiocatheter, vacutainer, leuer adapter, saline trap, Intraosseous needle and fluid administration, IM, SQ, IN, and IV bolus medication administration;
• perform advanced airway maneuvers to include but not limited to: endotracheal intubation, EOA/EGTA, King airway, Combitube, bougee and chest decompression;
• demonstrate proper application of the Magill forceps during airway management;
• demonstrate patient assessment skills adapted for the geriatric and special needs patients; and
• attain Pediatric Life Support and International Trauma Life Support (ITLS) credential.

EMT Paramedic - Must perform all the competencies of a Basic and Advanced EMT and all the following:
• perform the expanded scope patient assessment to include the utilization of the otoscope and ophthalmoscope;
• perform advanced airway techniques to include but not limited to: Laryngeal Mask Airway (LMA), Quicktrac, needle cricothyrotomy and jet ventilation, CPAP/BiPAP, Waveform capnography;
• perform proper electrocardiogram (EKG) monitoring utilizing both the three lead and twelve lead techniques;
• properly interpret a single lead and twelve lead EKG and initiate proper treatment protocols;
• perform manual defibrillation, synchronized cardioversion, and external cardiac pacing;
• attain American Heart Association Advanced Cardiac Life Support (ACLS) credential;
• attain American Heart Association Pediatric Life Support (PALS) credential;
• calculate drug dosages utilizing the metric system;
• demonstrate proper medication administration techniques to include: IM, SQ, P.O., P.R., I.V. bolus and infusion, ET, SL, buccal, transdermal; and
• contact the EMT department for the medication list under the paramedic scope of practice.

CURRICULUM

Total Degree Credits: 39.5

First Semester (August to March)
EG 099 - Paramedic Introduction, Pathophysiology and Life Span Development (3 cr)
EG 101 - Advanced Airway Management Lab (1 cr)
EG 103 - Patient Assessment (2 cr)
EG 104 - Patient Assessment Lab (1 cr)
EG 105 - Pharmacology (2 cr)
EG 106 - Pharmacology Lab (1 cr)
EG 107 - Respiratory and Cardiology (2 cr)
EG 108 - Respiratory and Cardiology Lab (1 cr)
EG 109 - Paramedic Clinical I (1 cr)
EG 110 - Paramedic Clinical II (1 cr)
EG 200 - EMS Operations (3 cr)
EG 204 - Medical Emergencies II (2 cr)
EG 205 - Medical Emergencies II Lab (1 cr)

Second Semester (March to August)
EG 201 - Trauma (2 cr)
EG 202 - Trauma Lab (1 cr)
EG 203 - Medical Emergencies I (4 cr)
EG 206 - Paramedic Clinical III (2 cr)
EG 207 - Paramedic Hospital Clinical IV (2.5 cr)
EG 208 - EMT Paramedic Ambulance Field Internship (7 cr)

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SUNY Erie deploying such conduct as an abuse of authority. Allegations leading to conviction can result in suspension or termination of employment. Related inquiries should be addressed to: Title IX, ADA and Section 504 Compliance Coordinator, 851-1119. 2/2018