

# Healthcare Professional to Paramedic Program

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Yale New Haven Hospital Center for EMS Paramedic Program Syllabus



The Yale New Haven Hospital Center for EMS paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

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## **To Yale New Haven Hospital Center for EMS Prospective Paramedic students:**

Please read the following carefully. Below is a description of the paramedic profession and information about the Yale New Haven Hospital Center for EMS paramedic program along with the requirements for successful completion and costs of the program. If you have questions please do not hesitate to communicate with us. Email is the quickest route of contact and we can be reached through [www.ynhh.org/cems](http://www.ynhh.org/cems). You are welcome to view the student handbook and our facilities during business hours at 77-D Willow Street in New Haven, 06511. We look forward to meeting you.

### **History of the Paramedic Profession**

In 1966, the National Academy of Science and the American Medical Association described an appalling picture of emergency care in the United States and gave critical attention to the topic of ambulances and ambulance attendants in their report entitled “Accidental Death and Disability: The Neglected Disease of Modern Society.” At that time there were not accepted standards for training and competence of ambulance personnel or specifications for ambulance transport vehicles. Further, the then popular Cadillac station wagon type ambulances were unsuitable for treating patients in transit. 50% of the country’s ambulance services were provided by 12,000 morticians. The hearse/funeral director also doubled as the ambulance/ambulance attendant.

The Emergency Medical Service (EMS) System Act, passed into law in 1973. This required that EMS systems create training programs for both hospital and pre-hospital personnel in emergency care techniques and standards for emergency ambulance vehicles. The goal was to provide patients with the most appropriate care in the pre-hospital and hospital settings. With the implementation of the EMS System Act, a major national effort was put forth to improve emergency medical care.

In 1975, the Department of Health, Education, and Welfare defined the EMT-Paramedic as “persons trained for advanced life support services to include sophisticated trauma, cardiac and other critical care elements for intervention treatment, shock therapy and drug administration and cardiac rhythm detection control.” In 1977, the National Training Course for the EMT-Paramedic was established by the U.S. National Highway Traffic Safety Administration and its current edition is the National EMS Educational Standards.

Yale-New Haven Hospital and the Hospital of Saint Raphael began educating paramedics together in 1976 and have been responsible for the clinical training of over 1500 paramedics since that time.

### **Paramedics Today**

Paramedics are licensed professionals. They work with physicians who provide direct and indirect medical oversight for the care of patients in the pre-hospital and out of hospital environments. Paramedics work with indirect medical oversight (standing orders) in the form of Paramedic Protocols from their Medical Director and with direct medical oversight in the form of direct communications with emergency medicine physicians.

Paramedics function as the eyes, ears and hands of the physician by extending the physician’s practice to the pre-hospital and out of hospital arena. They need a good grasp of anatomy, physiology, pathophysiology and pharmacology as well as emergency medicine to ensure the safe delivery of patient care and transportation to the hospital for definitive care. To this end, the Yale New Haven Hospital Center for EMS Paramedic Program works to ensure the highest quality of education for these important members of the health care team.

### **The Yale New Haven Hospital Center for EMS**

The Emergency Medical Services (EMS) system is a vital component in the care of many patients requiring hospital services. State of Connecticut legislation mandates that advanced level EMS providers work under the auspices of a “Sponsor Hospital.” In light of the legislation and to assure a high level of pre-hospital care to the Greater New Haven area, Yale-New Haven Hospital operates a sponsor hospital program as part of the department of emergency medicine,

EMS section. This “sponsor hospital” combines the financial, clinical and managerial resources of the entire hospital. The major goals of the hospital in establishing the Yale New Haven Hospital Center for EMS are as follows:

1. Ensure standardization of prehospital care
2. Offer the highest quality of training and continuing medical education for all professionals involved in EMS
3. Maintain a comprehensive system which will aid prehospital personnel in providing high quality professional patient care services.

### **The Yale New Haven Hospital Center for EMS Educational Philosophy**

In furtherance of the educational mission of the Yale New Haven Hospital Center for EMS, we offer our students a learning environment filled with problem solving, critical thinking, and “systems-thinking” in order to ensure a strong base on which to build. Our emphasis on anatomy, physiology, and pathophysiology provides YNHHCEMS students with the tools needed to address basic and advanced prehospital and out of hospital medicine both today and in the future. Our programs exceed Department of Transportation (DOT) National Highway Traffic Safety Administration (NHTSA) National Standard Curriculum and National Education Standard’s objectives and include optional skills adopted by many states. These documents can be found on the Office of EMS website; <https://www.ems.gov/education.html>

YNHHCEMS believes in evidence driven medical practice and education. Our initial education programs such as the paramedic program are not specific to local protocol. YNHHCEMS believes that good advanced life support first and foremost begins with a strong base of excellent basic life support. YNHHCEMS initial provider programs are directed toward individuals who take responsibility for their own education, growth, and development; as well as individuals who have the professional behavior and attitude necessary for providers who will be the practitioners and leaders of EMS in the future.

Applicants who feel they may be deficient or may require additional accommodations in one or more of the areas mentioned above should speak with the Program Manager. We will seriously consider applicants who are deficient in any of these areas providing the deficiency can be remedied or reasonably accommodated.

When the Yale New Haven Hospital Center for EMS program faculty and the Education Medical Director of the paramedic program recommends a student for licensing or certification examinations, they are verifying that the student has met all of the requirements of the school and can safely perform as an entry-level paramedic.

Most states and the National Registry of Emergency Medical Technicians have regulations prohibiting certification, registration or licensure of those convicted of certain legal infractions. Please check with those agencies if this may apply to you.

### **The Yale New Haven Hospital Center for EMS Healthcare Professional to Paramedic Program**

The Yale New Haven Hospital Center for EMS Healthcare Professional to Paramedic Program is a State of Connecticut approved educational program and is based on the current National Standard Curriculum for Paramedic Training and the current National Educational Standards document of the U.S. NHTSA. The Yale New Haven Hospital Center for EMS Healthcare Professional to Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). The course consists of a 1000 hour *minimum*, including distributive learning and a two (2) week in person classroom & lab. Both the distributive portion and in person classroom/lab will be broken-down into six (6) modules: Introduction to Paramedicine, Medical Emergencies, Cardiology, Pediatrics, Trauma, and Operations.

The distributive learning portion of the program will have rolling, open enrollment with all assignments due by November 1, 2023. The two-week in person classroom & lab will run from November 6-17, 2023.

## Program Description

**Distributive Learning:** Topic areas follow the current National Standard Curriculum for Paramedic Training and National Educational Guidelines and include: Patient Assessment, Pharmacology, Shock and Fluid Therapy, Respiratory Emergencies, Cardiovascular Emergencies, Central Nervous system Emergencies, Medical Emergencies, Behavioral Crisis management, Stress Recognition and Management, Pediatrics, Neonatal care, Geriatrics, Endocrine Disturbances, Trauma, Burns, Triage and Mass Casualty Scene Management, Incident Command, EMS/Public Safety Communications, and Professional Issues.

**Preparatory Skill Labs:** A series of skill laboratories are conducted at YNHH-CEMS during a two-week period to prepare the students for final testing and the field internship. Labs include Advanced Airway Management, IV Access, Medication Administration, Medical & Trauma Patient Assessment, Static, and Dynamic Cardiology, full emergency call simulations.

**Standard Certifications:** The program requires provider level certification in the following areas. If you do not currently hold these certifications, they can be obtained at YNHH-CEMS (not included with tuition or program schedule). Please specify in your application what certifications you need:

- Emergency Pediatric Care (EPC)
- Pre-hospital Trauma Life Support (PHTLS)
- Advanced Medical Life Support (AMLS)
- Tactical Emergency Casualty Care (TECC)
- Mental Health First Aid (MHFA)

**Field Internships:** After completion of all other requirements, the Field Internship will serve as a capstone. There are two pathways for students to complete their Field Internships:

### **Pathway One**

Students will rotate through various YNHH-CEMS sponsored paramedic level provider services. The Field Internship will consist of a minimum of 100 calls (minimum 50 ALS). The final 30 calls in internship will be the student's capstone. Students will be required to do all capstone calls with the same PFI. The Field Internship is considered complete after the minimum number of calls have been completed, all patient contact and skills categories have been completed, and the student's PFIs have certified that the student has met all the minimum competencies of an entry-level paramedic. This is not included in the original program schedule or two-week in person session.

### **Pathway Two**

Students will complete their Field Internship at an approved location that YNHH-CEMS has entered into a contact agreement with. Students will complete a minimum of 100 calls (minimum 50 ALS). The final 30 calls in internship will be the student's capstone. Students will be required to do all capstone calls with the same PFI. The Field Internship is considered complete after the minimum number of calls have been completed, all patient contact and skills categories have been completed, and the student's approved preceptor have certified that the student has met all the minimum competencies of an entry-level paramedic.

**No matter which pathway chosen students must have all Field Internship requirements completed by August 15, 2024.**

**JB LMS and FISDAP:** Students are required to have internet connectivity to access the LMS and FISDAP system, which are used for course work and tracking clinical, lab and field rotations as well as scheduling. A laptop or tablet is required. Wi-Fi access is available at our campus.

**Vaccinations:** All students must provide proof of vaccination with titers (from the current calendar year) prior to acceptance into the program for MMR, Varicella, and Hepatitis B (or declination). Proof of vaccination required for TDAP. Also, students will be required to get an annual PPD skin test (or equivalent) as well as an annual flu vaccine and provide proof of COVID vaccination with booster as mandated by YNHH. Failure to do so can result in a student's inability to attend clinical rotations, resulting in dismissal from the program. YNHH does allow exemption from the flu vaccine and COVID vaccine under very limited circumstances. Please discuss any discrepancies with staff prior to applying.

**Tuition and Costs:** \$7,550, which includes tuition, Online Learning Management System, eBooks and uniform shirt. There is a non-refundable application and entrance exam fee of \$75.00 and a background check fee (not included with tuition). eBooks include Emergency Care in the Streets, ECG's Made Easy 6<sup>th</sup> Edition, and Critical Cases in Electrocardiography. It is recommended that students do not acquire any texts until the start of the program.

### **Payment Options**

1. **Pay the entire tuition:** Up front by the start of class.
2. **Pay per month:** With this option, students put a \$1500.00 deposit down and then tuition will be broken down into 9 monthly installments (beginning 30 days after the start of program) of \$705.83. Monthly payments are due on the 1<sup>st</sup> of each month. There is a 5% carrying fee for this installment plan which is a total additional charge of \$302.50. A 5% late charge will be added for tardy payments. If payment is more than 21 days late, the student will not be allowed to attend class until bills are up-to-date (see Administrative Probation section in the student handbook).
3. **Employee Tuition Reimbursement.** In some cases, individual payment plans can be arranged for students whose employer reimburses them for their education at a set rate. Please speak with the program coordinator should you have any questions about tuition reimbursement payment plans. Once initiated, these payment plans will be subject to all fees and handbook provisions as the other payment options.

Regardless of payment plan selected, all tuition and fees must be paid in full within nine (9) months of the start of the program. At any point in time if a student on a payment plan wishes to pay his or her entire remaining balance, he or she may do so with no penalties. Tuition does not include room and board, parking, background check, or other fees listed in your handbook.

A deposit of \$1500.00 is required at the time of acceptance.

Students are responsible for any other associated fees, including travel to clinical sites and parking.

**Grading Criteria:**

Grading for each module will be based on the following.

Student Evaluation and Grading Criteria	Weight	Grading
Homework	25%	A+.....97-100 A.....93-96 A-.....90-92
Quizzes	40%	B+.....87-89 B.....83-86 B-.....80-82
Exams	30%	C+.....77-79 C.....73-76 C-.....70-72
Affective Domain	5%	F.....<70

Each module must be completed in order with a passing grade of 70 or better.

**Program Completion:**

Students are allowed a maximum of 15 months to complete all program requirements. Students may finish the program earlier, based on their individual progress towards program benchmarks and goals.

**Student Handbook:**

The student handbook is available at our offices at 77-D Willow St. New Haven, CT during business hours. Electronic copies are also available via email.

**Syllabus:**

Full syllabus and schedule available at our offices at 77-D Willow St. New Haven, CT during normal business hours. Electronic copies are also available via email.

*If you have any questions, please feel free to contact us directly.*

## **Requirements for Entrance to the Paramedic Education Program**

1. Actively working RN, APRN or PA-C with minimum 2 years FTE in ED or ICU/Critical Care
2. Current EMT certification
  - If you are not currently an EMT, YNHH-CEMS can offer an Online Based EMT Program which must be completed prior to attempting the Entrance Exam (cost not included in price of the RN to Paramedic Program)
3. Minimum of a bachelor's degree
4. Valid CPR certification from either the AHA or National Safety Council
5. ACLS & PALS Provider
6. Valid driver's license
7. ICS 100, 200, 700 and 800 certifications
8. A completed physical examination within the last calendar year. A report of the examination verifying good physical health and addressing the capacity to perform EMS functions must be provided.
9. Proof of **titer** (from the current calendar year) of the following:
  - a. MMR
  - b. Varicella
  - c. Hepatitis B (or signed declination)
10. Proof of vaccination for TDAP, flu and COVID with booster
11. PPD (or equivalent) within the past 12 months
12. Applicant must not have a substance abuse problem or use illegal or illicit substances
13. Complete application form and submit with attachments as noted
14. Submit three written references in sealed envelopes (applicable EMS references preferred)

### **Selection for the Paramedic Program is based on the following:**

1. Entrance exam score (minimum passing score is 70% in each category, maximum of 2 attempts)
2. Review of school transcripts
3. Review of references
4. Results of an oral interview