

Paramedic Science

Associate of Applied Science Degree

The program will teach the fundamental skills needed to be an excellent paramedic clinician. The paramedic profession is built around interaction with people, meaning the program will utilize information to enhance human interaction as it applies to the prehospital environment. This program seeks to provide opportunities for students to develop an appreciation of patient diversity with the goal of developing treatment plans to meet the needs of the individual patient interaction. More information on the program structure and requirements can be found on the program webpage: <https://www.ccm.edu/programs/paramedic-science> (<https://www.ccm.edu/programs/paramedic-science/>)

Maintaining professionalism is essential for our growth as a profession. Professional providers are set apart from others by virtue of dignity, worthiness, and level of responsibility. Peers look to professional providers for leadership and expect more than an ordinary demonstration of good human relations. This program will require professional demeanor from all participants.

The program curriculum follows the National EMS Education Standards and Scope of Practice. It is structured so that content and skill development is progressive and provides maximum opportunity for students to synthesize and apply information in order to function at increasingly higher cognitive, affective, and psychomotor levels. The curriculum is centered on the acquisition of current concepts in emergency medical care based on evidence-based practices. Curriculum changes reflect the ongoing evaluation process as well as changes in educational, technological, and healthcare practice. It requires a student's commitment to applying material through active learning for acquisition of cognitive, affective, and psychomotor competencies.

The County College of Morris Paramedic Science Program has been issued a Letter of Review by the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). This letter is NOT a CAAHEP accreditation status, it is a status signifying that a program seeking initial accreditation has demonstrated sufficient compliance with the accreditation standards through the Letter of Review Self Study Report (LSSR) and other documentation. Letter of Review is recognized by the National Registry of Emergency Medical Technicians (NREMT) for eligibility to take the NREMT's Paramedic credentialing examination(s). However, it is NOT a guarantee of eventual accreditation.

To contact CoAEMSP:

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

Degrees

GENERAL EDUCATION FOUNDATION
COMMUNICATION

ENG-111	English Composition I	
ENG-112	English Composition II	
MATH-SCIENCE-TECHNOLOGY		11
BIO-101	Anatomy and Physiology I	
BIO-102	Anatomy and Physiology II	
Restricted Math General Education		
MAT-110	College Algebra	
	or MAT-124 Statistics	
GENERAL EDUCATION ELECTIVES		3
PSY-113	General Psychology	
GENERAL EDUCATION FOUNDATION Credits		20
TECHNICAL STUDIES CORE		
PAR-120	Paramedic Science I	11
PAR-125	Paramedic Clinical Experience I	2
PAR-130	Paramedic Clinical Experience II	3
PAR-220	Paramedic Science II	11
PAR-225	Paramedic - Clinical Experience III	5
PAR-230	Paramedic Clinical Experience IV	1
PAR-235	Paramedic Internship-Field Experience	10
TECHNICAL STUDIES CORE Credits		43
Total Credits		63

Certificate of Achievements

Prospective students seeking initial EMT and BLS Healthcare Provider certifications should contact Atlantic Training Center for course information: https://www.atlanticambulance.org/atlantic_training_center.html.

Prospective students holding out-of-state EMT certifications should contact the New Jersey Department of Health Office of Emergency Medical Services to obtain reciprocity information: <http://www.state.nj.us/health/ems/>.

Faculty

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Courses

Course List

PAR-120	Paramedic Science I	11
PAR-125	Paramedic Clinical Experience I	2
PAR-220	Paramedic Science II	11
PAR-130	Paramedic Clinical Experience II	3
PAR-225	Paramedic - Clinical Experience III	5
PAR-230	Paramedic Clinical Experience IV	1
PAR-235	Paramedic Internship-Field Experience	10

Course Descriptions

PAR-120. Paramedic Science I. 11 Credits.

LECT 120 hrs LAB 120 hrs

This course introduces the student to EMS systems and the roles and responsibilities of a paramedic. Building on the student's foundation of knowledge from program pre-requisites, this course will relate principles of human anatomy, physiology, and pathophysiology, to emergency pre-hospital care. Students will be introduced to pharmacology, medication administration, fluids and electrolytes, cardiology, and airway management. Focus will be placed on emergency topics including: cardiology, respiratory, neurology, toxicology, and psychiatric emergencies. In the skills laboratory students will demonstrate and practice patient assessment, vascular access and medication administration, and basic and advanced airway management. Skills practice and demonstration of proficiency will follow the National Highway Traffic Safety Administration paramedic curriculum and New Jersey regulations for paramedic training (N.J.A.C. 8:41-A).

Prerequisites: Permission of department chair

Additional Fees: Course fee applies.

PAR-125. Paramedic Clinical Experience I. 2 Credits.

CLIN 90 hrs

This course serves as the first clinical experience for paramedic students providing practice of acquired skills on live patients in the hospital setting under direct supervision of a clinical preceptor. The course meets the minimum requirements as set forth by N.J.A.C.8:41A-2.5: Specific Clinical Objectives- Category I/Skills Division to provide the educational clinical experience required to prepare the student to achieve licensure as a paramedic. Specific clinical areas include interventions for advanced airway management, respiratory care, IV access, cardiac care, and cadaver lab. Clinical rotations are meant for application of learned theory and patient care skills while under the direct supervision of a clinical preceptor.

Prerequisites: PAR-120

Additional Fees: Course fee applies.

PAR-130. Paramedic Clinical Experience II. 3 Credits.

CLIN 135 hrs

This course serves as the second clinical experience for paramedic students providing practice of acquired skills on live patients in the hospital setting under direct supervision of a clinical preceptor. The course begins the minimum requirements as set forth by N.J.A.C.8:41A-2.6: Specific Clinical Objectives- Category II/Skills Division to provide the educational clinical experience required to prepare the student to achieve licensure as a paramedic. Specific clinical areas will include ICU/CCU, Burn ICU, and psychiatric/crisis. Clinical rotations are meant for application of learned theory and patient care skills while under the direct supervision of a clinical preceptor. Must remain as a 6 week Summer II course.

Prerequisites: PAR-125

Additional Fees: Course fee applies.

PAR-220. Paramedic Science II. 11 Credits.

LECT 120 hrs LAB 120 hrs

This course prepares the student for assessment, treatment, and care of the pediatric patient, and discusses disease-specific focused assessment and care for patients of all ages. Focus will be placed on emergency topics including: gynecology, obstetrics, neonatal care, pediatric respiratory emergencies, infectious diseases, immunology, renal system, abdominal/GI/GU, and hematology. Students will also receive instruction in response to large scale incidents, hazardous materials incidents, terrorism and disaster response. In the skills laboratory students will demonstrate and practice patient assessment, pediatric resuscitation, and emergency childbirth. High fidelity simulation will be used to provide students with practice integrating knowledge and skills acquired throughout the paramedic program. Skills practice and demonstration of proficiency will follow the National Highway Traffic Safety Administration paramedic curriculum and New Jersey regulations for paramedic training (N.J.A.C. 8:41-A).

Prerequisites: PAR-120

Additional Fees: Course fee applies.

PAR-225. Paramedic - Clinical Experience III. 5 Credits.

CLIN 225 hrs

This course prepares the student to recognize and manage medical emergencies across the life span. Students will apply the knowledge and skills acquired in prior coursework within a variety of critical care environments. Areas of focus will include: trauma, neurology, pediatrics, labor and delivery, geriatrics, psychiatric crisis, and emergency department care. Clinical rotations and skills practice will follow the National Highway Traffic Safety Administration paramedic curriculum and New Jersey regulations for paramedic training (N.J.A.C. 8:41-A).

Prerequisites: PAR-130

Additional Fees: Course fee applies.

PAR-230. Paramedic Clinical Experience IV. 1 Credit.

CLIN 45 hrs

This course prepares the student to recognize and manage medical emergencies across the life span. Students will apply the knowledge and skills acquired in prior coursework within the emergency department. Students will have the opportunity to synthesize the knowledge and skills acquired in prior coursework, under the guidance of nurse and physician preceptors. Clinical rotations and skills practice will follow the National Highway Traffic Safety Administration paramedic curriculum and New Jersey regulations for paramedic training (N.J.A.C. 8:41-A).

Prerequisites: PAR-225

Additional Fees: Course fee applies.

PAR-235. Paramedic Internship-Field Experience. 10 Credits.

CLIN 450 hrs

This course provides the field internship experience required to prepare the student for certification and/or licensure as a paramedic. The field internship is completed under the guidance of paramedic preceptors, and allows the student to apply the knowledge and skills acquired in prior coursework to the pre-hospital setting. Focus will be placed on scene safety, patient assessment, formulating a field impression and treatment plan, and communicating effectively with colleagues and other healthcare providers.

Prerequisites: PAR-230 Paramedic Clinical Experience IV

Additional Fees: Course fee applies.