

# Technical and Vocational Programs

## A 45 34 0 BR Medical Science Bridge Program\* Associate in Applied Science

*The EMS Bridge Program is for qualified applicants who are currently certified Paramedics in NC or nationally registered, but do not have a degree.*

*\*Upon meeting all requirements and admission to the EMS Bridge Program, the student will receive 43 hours of proficiency credit toward the EMS A.A.S. degree to represent the EMS major hours for EMT – Paramedic coursework that are not required as part of the EMS Bridge Program.*

### CONCENTRATION OVERVIEW

The Emergency Medical Science curriculum provides individuals with the knowledge, skills and attributes to provide advanced emergency medical care as a paramedic for critical and emergent patients who access the emergency medical system and prepares graduates to enter the workforce. Students will gain complex knowledge, competency, and experience while employing evidence-based practice under medical oversight and serve as a link from the scene into the healthcare system.

COA's Emergency Medical Services – Paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). Contact CAAHEP: Commission on Accreditation of Allied Health Education Programs (CAAHEP), 9355 – 113th St. N, #7709, Seminole, FL 33775, 727-210-2350. [www.caahep.org](http://www.caahep.org)

Graduates of this program may be eligible to take state and/or national certification examinations. Employment opportunities include providers of emergency medical services, fire departments, rescue agencies, hospital specialty areas, industry, educational and government agencies.

### Student Learning Outcomes – Upon completion of the program, students will:

1. Apply the basic concepts of pathophysiology, development, and pharmacology to the assessment and management of a wide variety of emergency patients.
2. Demonstrate proficiency in administration of medications and safely accessing venous circulation.
3. Establish and/or maintain a patent airway, oxygenate, and ventilate any patient.
4. Demonstrate technical proficiency in all skills necessary to fulfill the role of entry-level paramedic in the state of North Carolina.
5. Demonstrate proficiency in the role of entry-level paramedic in the state of North Carolina.

**Partnership: N/A**

**Some Health Sciences and Wellness Programs may have additional requirements related to required GPAs, grades, and other progression policies required for graduation. Please see program handbooks for more information.**



# A 45 34 0 BR Emergency Medical Science Bridge Program

First Semester Course Number and Title	Pre-Requisites and Co-Requisites	Class Hours	Lab Hours	Clinical Hours	Total Contact Hours	Total Credit Hours
BIO 163 Basic Anatomy and Physiology (Or BIO 168 and BIO 169 - recommended option for transfer to a 4 year institution)**	Pre-Requisites: ENG 002 Tier 1, and either BIO 090 or one unit of HS Biology	4	2	0	6	5
ENG 111 Writing and Inquiry	Prereq: ENG 002 Tier 1	3	0	0	3	3
EMS 125 Instructor Methodology	Prereq: Admission to EMS Bridge	2	2	0	4	3
EMS 280 EMS Bridging Course***	Prereq: Admission to EMS Bridge	2	2	0	4	3
<b>TOTAL SEMESTER HOURS</b>		<b>11</b>	<b>6</b>	<b>0</b>	<b>17</b>	<b>14</b>
Second Semester Course Number and Title	Pre-Requisites and Co-Requisites	Class Hours	Lab Hours	Clinical Hours	Total Contact Hours	Total Credit Hours
ENG 112 Writing/Research in the Disciplines	Prereq: ENG 111	3	0	0	3	3
MAT 143 Quantitative Literacy	Prereq: MAT 003 Tier 1 and ENG 002 Tier 1	2	2	0	4	3
PSY 150 General Psychology	Prereq: ENG 002 Tier 1	3	0	0	3	3
Human/FA Elective	Varies	3	0	0	3	3
EMS 210 Adv Patient Assessment	Pre-req: EMS 110 or Admission to EMS Bridge Program Coreqs: EMS 130, 160, 221 or Admission to EMS Bridge Program	1	3	0	4	2
EMS 235 EMS Management	Prereq: Admission to EMS Bridge	2	0	0	2	2
<b>TOTAL SEMESTER HOURS</b>		<b>14</b>	<b>5</b>	<b>0</b>	<b>19</b>	<b>16</b>
<b>TOTAL DEGREE HOURS</b>						<b>30</b>

**\*Upon meeting all requirements and admission to the EMS Bridge Program, the student will receive 43 hours of proficiency credit toward the EMS A.A.S. degree to represent the EMS major hours for Paramedic coursework and ACA 111 that are not required as part of the EMS Bridge Program.**

**Twenty –five percent of the credits for the EMS program must be completed at COA (minimum 19 credit hours)**

*\*\*Four-year institutions determine their acceptance of transfer courses ...students should check with the 4-year institutions they plan to attend to see if this option will be accepted.*

*\*\*\* Applicants who successfully complete EMS 280 with a grade of 'C' or better will be awarded credit for EMS 285-EMS Capstone.*

The following table displays the 43 hours of proficiency credit that the current credential Paramedics will receive towards the EMS A.A.S. degree to represent the EMS major hours for Paramedic coursework that are not required as part of the EMS Bridge Program.

<b>COURSE</b>	<b>COURSE NAME</b>	<b>CREDIT HOUR</b>
EMS 110	EMT	9
EMS 130	Pharmacology	4
EMS 131	Advanced Airway Management	2
EMS 160	Cardiology I	3
EMS 260	Trauma Emergencies	2
EMS 220	Cardiology II	3
EMS 122	Clinical Practicum I	1
EMS 221	Clinical Practicum II	2
EMS 250	Medical Emergencies	4
EMS 240	Patients with Special Challenges	2
EMS 270	Life Span Emergencies	4
EMS 231	Clinical Practicum III	3
EMS 241	Clinical Practicum IV	4