

DURHAM TECHNICAL COMMUNITY COLLEGE PLAN OF STUDY

Revised Fall 2024
2 Semesters

EMERGENCY MEDICAL SCIENCE
Associate Degree (A45340)

Catalog/Academic Year 2026-2027

Notes:

- Students are eligible to enroll in the Emergency Medical Science Associate in Applied Science degree if they have an NC Paramedic Certification.
- Students must complete 25% of the credit hours at Durham Technical Community College to be awarded the AAS in Emergency Medical Science from Durham Technical Community College (SACSCOC [Principles of Accreditation](#)).

Key to symbols after some courses:

* Developmental courses may be required based on college placement and course requisites.

^{GE} Fulfills the general education requirements for this degree.

FALL SEMESTER

Term A	Term B	16 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
		X	BIO 168 Anatomy & Physiology I* ^{GE} OR	3	3	0	4	See BIO options below
		X	BIO 163 Basic Anatomy and Physiology*	4	2	0	5	
X			EMS 210 Adv. Patient Assessment	1	3	0	2	
X	X		ENG 111 Writing and Inquiry* ^{GE}	3	0	0	3	
X	X		Social Behavioral Elective* ^{GE}				3	PSY 150 recommended

SPRING SEMESTER

Term A	Term B	16 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
		X	BIO 169 Anatomy & Physiology II OR	3	3	0	4	Based on BIO selected in first semester
		X	MAT 110 Math Measurement & Literacy* ^{GE}	2	2	0	3	
X	X		Communications Elective* ^{GE}				3	ENG-112 recommended
X	X		Humanities/Fine Arts Elective* ^{GE}				3	PHI 215 recommended

National Registry or N.C. Paramedic Certification provides credit for the following courses:

Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
EMS 110 Emergency Medical Tech	6	6	3	9	
EMS 122 EMS Clinical Practicum I	0	0	3	1	
EMS 130 Pharmacology	3	3	0	4	
EMS 131 Advanced Airway Management	1	2	0	2	
EMS 160 Cardiology I	2	3	0	3	
EMS 220 Cardiology II	2	3	0	3	
EMS 221 EMS Clinical Practicum II	0	0	6	2	
EMS 231 EMS Clinical Practicum III	0	0	9	3	
EMS 240 Patients with Special Challenges	1	2	0	2	

Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
EMS 241 Clinical Practicum IV	0	0	12	4	
EMS 250 Medical Emergencies	3	3	0	4	
EMS 260 Trauma Emergencies	1	3	0	2	
EMS 270 Life Span Emergencies	3	3	0	4	
EMS 285 EMS Capstone	1	3	0	2	

MINIMUM SEMESTER HOURS REQUIRED FOR AAS DEGREE 67

Biology Options (take one set):

- Take BIO 168 Anatomy & Physiology I (4 SHC) **AND** BIO 169 Anatomy & Physiology II (4 SHC)
- OR**
- Take BIO 163 Basic Anatomy & Physiology (5 SHC) **AND** MAT 110 Math Measurement & Literacy (3 SHC)

Communications Elective – Choose one of the following:

COM 120, COM 231, **ENG 112**

Humanities/Fine Arts Elective – Choose one of the following:

ART 111, HUM 110, HUM 115, **PHI 215**, PHI 240

Social/Behavioral Sciences Elective – Choose one of the following:

HIS 111, HIS 131, POL 120, POL 220, **PSY 150**, SOC 210, SOC 220

For additional information about requirements and graduation, please refer to the [Curriculum Program Completion and Graduation](#) policy. Program-specific criteria may be found on the respective [Programs](#) page. For questions about this program, consult the Program Director or an advisor for assistance.