

DURHAM TECHNICAL COMMUNITY COLLEGE PLAN OF STUDY

Revised Fall 2024  
5 Semesters

**EMERGENCY MEDICAL SCIENCE**  
**Associate Degree (A45340)**

Catalog/Academic Year 2024-2025  
**SPRING START**

**Key to symbols after some courses:**

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

<sup>GE</sup> Fulfills the general education requirements for this degree.

**FIRST SPRING SEMESTER**

| Term A | Term B | 16 Weeks | Course  | Hours Class | Hours Lab | Hours Work | Hours Credit | Program Remarks       |
|--------|--------|----------|---|-------------|-----------|------------|--------------|-----------------------|
|        |        | X        | BIO 168 Anatomy & Physiology I* <sup>GE</sup> <b>OR</b> | 3           | 3         | 0          | 4            | See BIO options below |
|        |        | X        | BIO 163 Basic Anatomy and Physiology*                   | 4           | 2         | 0          | 5            |                       |
|        |        | X        | EMS 110 Emergency Medical Technician                    | 6           | 6         | 3          | 9            |                       |
|        |        | X        | ENG 111 Writing and Inquiry* <sup>GE</sup>              | 3           | 0         | 0          | 3            |                       |

**FIRST SUMMER TERM**

| 8 Weeks | Course   | Hours Class | Hours Lab | Hours Work | Hours Credit | Program Remarks                         |
|---------|--|-------------|-----------|------------|--------------|---|
| X       | BIO 169 Anatomy & Physiology II <b>OR</b>          | 3           | 3         | 0          | 4            | Based on BIO selected in first semester |
| X       | MAT 110 Math Measurement & Literacy* <sup>GE</sup> | 2           | 2         | 0          | 3            |   |
| X       | Communications Elective* <sup>GE</sup>             |             |           |            | 3            | ENG-112 recommended                     |
| X       | Humanities/Fine Arts Elective* <sup>GE</sup>       |             |           |            | 3            | PHI 215 recommended                     |

**FIRST FALL SEMESTER**

| Term A | Term B | 16 Weeks | Course                             | Hours Class | Hours Lab | Hours Work | Hours Credit | Program Remarks |
|--------|--------|----------|------------------------------------|-------------|-----------|------------|--------------|-----------------|
| X      |        |          | EMS 122 EMS Clinical Practicum I   | 0           | 0         | 3          | 1            |                 |
|        |        | X        | EMS 130 Pharmacology               | 3           | 3         | 0          | 4            |                 |
| X      |        |          | EMS 131 Advanced Airway Management | 1           | 2         | 0          | 2            |                 |
|        | X      |          | EMS 160 Cardiology I               | 2           | 3         | 0          | 3            | Hybrid          |
|        | X      |          | EMS 221 EMS Clinical Practicum II  | 0           | 0         | 6          | 2            |                 |

**SECOND SPRING SEMESTER**

| Term A | Term B | 16 Weeks | Course                                   | Hours Class | Hours Lab | Hours Work | Hours Credit | Program Remarks |
|--------|--------|----------|--|-------------|-----------|------------|--------------|-----------------|
| X      |        |          | EMS 220 Cardiology II                    | 2           | 3         | 0          | 3            | Hybrid          |
|        |        | X        | EMS 231 EMS Clinical Practicum III       | 0           | 0         | 9          | 3            |                 |
| X      |        |          | EMS 240 Patients with Special Challenges | 1           | 2         | 0          | 2            |                 |
|        | X      |          | EMS 250 Medical Emergencies              | 3           | 3         | 0          | 4            |                 |
| X      |        |          | EMS 260 Trauma Emergencies               | 1           | 3         | 0          | 2            |                 |
|        | X      |          | EMS 270 Life Span Emergencies            | 3           | 3         | 0          | 4            |                 |

**SECOND SUMMER TERM**

| 8 Weeks | 16 Weeks | Course                                    | Hours Class | Hours Lab | Hours Work | Hours Credit | Program Remarks     |
|---------|----------|---|-------------|-----------|------------|--------------|---------------------|
|         | X        | EMS 241 Clinical Practicum IV             | 0           | 0         | 12         | 4            |                     |
| X       |          | EMS 285 EMS Capstone                      | 1           | 3         | 0          | 2            |                     |
| X       |          | Social Behavioral Elective* <sup>GE</sup> |             |           |            | 3            | PSY 150 recommended |

**MINIMUM SEMESTER HOURS REQUIRED FOR AAS DEGREE 64****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.*