

DURHAM TECHNICAL COMMUNITY COLLEGE PLAN OF STUDY

Revised Fall 2022
6 Semesters

BIOMEDICAL EQUIPMENT TECHNOLOGY
Associate Degree (A50100)

Catalog/Academic Year 2023-2024

Key to symbols after some courses:

* Developmental courses (ENG 002 and/or MAT 003) may be required based on college placement and course requisites.

**Requires prior approval by Work Based Learning Coordinator.

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

FALL SEMESTER 2023

| Course | Hours Class | Hours Lab | Hours Work | Hours Credit | Program Remarks | Notes |
|---|----------------|--------------|---------------|-----------------|-----------------|-------|
| ACA 122 College Transfer Success | 0 | 2 | 0 | 1 | | |
| BMT 111 Intro to Biomedical Field | 2 | 0 | 0 | 2 | | |
| ELC 131 Circuit Analysis I | 3 | 3 | 0 | 4 | | |
| ELC 131A Circuit Analysis I Lab | 0 | 3 | 0 | 1 | | |
| ENG 111 Writing and Inquiry* ^{GE} | 3 | 0 | 0 | 3 | | |
| MAT 121 Algebra/Trigonometry I* ^{GE} | 2 | 2 | 0 | 3 | | |

SPRING SEMESTER 2024

| Course | Hours Class | Hours Lab | Hours Work | Hours Credit | Program Remarks | Notes |
|--|----------------|--------------|---------------|-----------------|-----------------|-------|
| COM 231 Public Speaking* ^{GE} | 3 | 0 | 0 | 3 | | |
| ELC 127 Software for Technicians | 1 | 3 | 0 | 2 | | |
| ELN 131 Analog Electronics I | 3 | 3 | 0 | 4 | | |
| MAT 122 Algebra/Trigonometry II | 2 | 2 | 0 | 3 | | |

SUMMER TERM 2024

| Course | Hours Class | Hours Lab | Hours Work | Hours Credit | Program Remarks | Notes |
|---------------------------------------|----------------|--------------|---------------|-----------------|-----------------|-------|
| BIO 163 Basic Anatomy and Physiology* | 4 | 2 | 0 | 5 | | |
| ELN 132 Analog Electronics II | 3 | 3 | 0 | 4 | | |

FALL SEMESTER 2024

| Course | Hours Class | Hours Lab | Hours Work | Hours Credit | Program Remarks | Notes |
|--|----------------|--------------|---------------|-----------------|-----------------|-------|
| BMT 211 Biomedical Measurements | 2 | 2 | 0 | 3 | | |
| CTS 120 Hardware/Software Support | 2 | 3 | 0 | 3 | | |
| ELN 133 Digital Electronics | 3 | 3 | 0 | 4 | | |
| SOC 210 Introduction to Sociology* ^{GE} | 3 | 0 | 0 | 3 | | |

SPRING SEMESTER 2025

| Course | Hours Class | Hours Lab | Hours Work | Hours Credit | Program Remarks | Notes |
|---|----------------|--------------|---------------|-----------------|-----------------|-------|
| BMT 212 BMET Instrumentation I | 3 | 6 | 0 | 6 | | |
| CTI 120 Network and Security Foundation | 2 | 2 | 0 | 3 | | |
| ELN 232 Introduction to Microprocessors | 3 | 3 | 0 | 4 | | |

SUMMER TERM 2025

| Course | Hours Class | Hours Lab | Hours Work | Hours Credit | Program Remarks | Notes |
|--|----------------|--------------|---------------|-----------------|-----------------|-------|
| CTS 220 Advanced Hard/Software Support | 2 | 3 | 0 | 3 | | |
| HUM 115 Critical Thinking*GE | 3 | 0 | 0 | 3 | | |
| WBL 110 World of Work** | 1 | 0 | 0 | 1 | Online | |
| WBL 111 Work-Based Learning I** | 0 | 0 | 10 | 1 | | |

MINIMUM SEMESTER HOURS REQUIRED FOR AAS DEGREE 69

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.