

DURHAM TECHNICAL COMMUNITY COLLEGE PLAN OF STUDY

NEW Fall 2023  
5 Semesters

**BIOTECHNOLOGY**  
**Associate Degree (A20100)**

Catalog/Academic Year 2023-2024

**Key to symbols after some courses:**

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

\*\* Requires prior approval by Work Based Learning Coordinator.

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

**FIRST FALL SEMESTER**

Term A	Term B	16 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
X			ACA 122 College Transfer Success	0	2	0	1	
		X	BIO 111 General Biology I*	3	3	0	4	
		X	BTC 181 Basic Lab Techniques	3	3	0	4	
X	X		CIS 110 Introduction to Computers	2	2	0	3	
X	X		ENG 111 Writing and Inquiry* <sup>GE</sup>	3	0	0	3	

**FIRST SPRING SEMESTER**

Term A	Term B	16 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
		X	BIO 112 General Biology II	3	3	0	4	
	X		BTC 150 Bioethics*	3	0	0	3	
		X	CHM 131 Introduction to Chemistry* <b>AND</b>	3	0	0	3	
		X	CHM 131A Introduction to Chemistry Lab* <b>OR</b>	0	3	0	1	
		X	CHM 151 General Chemistry I*	3	3	0	4	
X			ENG 112 Writing/Research in the Disciplines <sup>GE</sup>	3	0	0	3	

**SUMMER TERM**

8 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
X	BIO 275 Microbiology	3	3	0	4	
X	HUM 115 Critical Thinking* <sup>GE</sup>	3	0	0	3	

**SECOND FALL SEMESTER**

Term A	Term B	16 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
		X	BTC 281 Bioprocess Techniques	2	6	0	4	
		X	CHM 132 Organic and Biochemistry <b>OR</b>	3	3	0	4	
		X	CHM 152 General Chemistry II	3	3	0	4	
		X	MAT 121 Algebra/Trigonometry I* <sup>GE</sup>	2	2	0	3	
X			ISC 278 cGMP Quality Systems	2	0	0	2	

**SECOND SPRING SEMESTER**

Term A	Term B	16 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
		X	BIO 250 Genetics	3	3	0	4	
		X	BTC 285 Cell Culture	2	3	0	3	
	X		SOC 210 Introduction to Sociology* <sup>GE</sup>	3	0	0	3	
X			WBL 110 World of Work**	1	0	0	1	Online
		X	WBL 111 Work-Based Learning I**	0	0	10	1	
X	X	X	Major Elective				3-4	

**MINIMUM SEMESTER HOURS REQUIRED FOR AAS DEGREE****64****Major Elective** – Select one from the following:

BIO 140 and BIO 140A, CSC 121, CSC 151, MAT 152

*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.*