

DURHAM TECHNICAL COMMUNITY COLLEGE PLAN OF STUDY

Revised Fall 2026
5 Semesters

BIOTECHNOLOGY
Associate Degree (A20100)

Catalog/Academic Year 2026-2027

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.

^{GE} 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 Transfer and Career 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* ^{GE}	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* AND	3	0	0	3	
		X	CHM 131A Introduction to Chemistry Lab* OR	0	3	0	1	
		X	CHM 151 General Chemistry I*	3	3	0	4	
X			ENG 112 Writing/Research in the Disciplines ^{GE}	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 110 Technology and Society* ^{GE}	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 OR	3	3	0	4	
		X	CHM 152 General Chemistry II	3	3	0	4	
X			ISC 278 cGMP Quality Systems	2	0	0	2	
		X	MAT 121 Algebra/Trigonometry I* ^{GE}	2	2	0	3	

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	3	3	0	4	
	X		SOC 210 Introduction to Sociology* ^{GE}	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				2-4	

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

BIO 140 and BIO 140A, CSC 121, CSC 151, ELC 128, HYD 110, MAT 152, MNT 110

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.