PROGRAM TRANSFER GUIDE

CCBC | TU TOWSON UNIVERSITY

This transfer guide is intended for students pursuing an Assoiate Degree in Biology at Community College of Baltimore County who are interested in pursuing a Bachelor of Biology: Cellular, Molecular & Organismal Physiology at Towson University. This transfer guide outlines the courses and program requirements a student should follow to satisfy degree requirements at CCBC in order to complete both the CCBC and TU degrees within a total of 4 years and 121 credits.

Associate Degree in Biology, Science

Bachelor of Science in Biology: Cellular, Molecular & Organismal Physiology

Effective Term: Fall 2026

Community College — Course	Credits	TU Equivalent	Notes
ENGL 101 - College Composition I *	3	ENGL 102 (Core 2)	
MATH 251 - Calculus I *	4	MATH 273 (Core 3)	Prerequisites may be required
CSIT 101 - Technology and Information Systems	3	COSC 111 (Core 4)	
CMNS 101 - Fundamentals of Communication	3	COMM 131 (Core 5)	
ECON 163 - Issues in Environmental Economics and Sustaina	3	SOSC TLL (Core 6)	
BIOL 110 - Biology I: Molecules and Cells *	4	BIOL 200/200L (Core 7)	
CHEM 131 - General Chemistry I *	4	CHEM 131/131L (Core 8)	
GLBL 101 - Introduction to Global Studies	3	SOSC TLL (Core 13)	
PHIL 240 - Ethics	3	PHIL 103 (Core 14)	
BIOL 104 - Introductory Botany *	4	BIOL 205	
BIOL 106 - Zoology *	4	BIOL 207	
BIOL 111 - Evolution and Ecology *	4	BIOL 206/206L	
BIOL 251 - Genetics *	4	BIOL T09	
CHEM 133 - General Chemistry II *	4	CHEM 132/132L	
MATH 153 - Introduction to Statistical Methods *	4	MATH 231	
PHYS 101 - Fundamentals of Physics I *	4	PHYS 211	
PHYS 102 - Fundamentals of Physics II	4	PHYS 212	
ACDV 101 - Academic Development 101	1	USEL TLL	
TOTAL COMMUNITY COLLEGE CREDITS:	**63**		

Towson University — Course	Credits	Notes
Core 1 - Towson Seminar		Waived for Transfer Students
Core 9 - Advanced Writing Seminar *	3	
Core 10 - Metropolitan Perspectives	3	
Core 11 - The United States as a Nation	3	
Core 12 - Global Perspectives	3	
BIOL 204 - Educational and Career Planning for the Biologist *	1	
BIOL 342 - Human Anatomy and Physiology I for Biology Majors *	4	Physiology Elective
BIOL 343 - Human Anatomy and Physiology II for Biology Majors *	4	Physiology Elective
BIOL 408 - Cell Biology *	4	Cellular, Molecular and Organismal Physiology Course
BIOL 409 - Molecular Biology *	4	Cellular, Molecular and Organismal Physiology Course
CHEM 333 - Essentials of Organic Chemistry Lecture *	3	Consult your TU advisor
CHEM 333L - Essentials of Organic Chemistry Lab *	2	Consult your TU advisor
Required Electives	12	See Listed Electives
Upper-Level Electives	12	One elective must be a lecture/laboratory course, a laboratory course, or BIOL 491
TOTAL TU CREDITS:	**58**	

** Denotes course that must be completed with a grade of C or better* *** Must consult with a TU Academic Advisor*

Notes & Recommendations from Towson University:

*Core 1 at TU is automatically waived for all transfer students.
*Courses with the ◆diamond symbol are recommended, but not required to complete the 4-year degree program. Consult your advisor for alternate course options.
*Course equivalents ending in TLL are general lower-level elective coursework at TU.
*Students must follow the course selections outlined in this agreement. Failing to complete the specified courses will require them to fulfill remaining requirements at TU and could jeopardize their ability to earn a bachelor's degree within two years.
*A course number beginning with T or F indicates that it is a lower-level equivalent of an upper-level TU course. These courses will not count toward the TU degree requirement for 32 upper-level units.