

PROGRAM
TRANSFER GUIDE



This transfer guide is intended for students pursuing an Associate's Degree in Arts & Sciences Transfer-Biology at Harford Community College who are interested in pursuing a Bachelor's Degree in Biology-Cellular, Molecular and Organismal Physiology at Towson University. This transfer guide outlines the courses and program requirements a student should follow to satisfy degree requirements at HCC in order to complete both the HCC and TU degrees within a total of 4 years and 120 credits.

Associate's Degree in Arts & Sciences Transfer-Biology

Effective Term:
Spring 2026

Bachelor's Degree in Biology-Cellular, Molecular and Organismal Physiology

YEAR 1 - Harford Community College					
Fall	TU Equivalent	Credits	Spring	TU Equivalent	Credits
BIO 120 General Biology I (GL)* © (Core 7)	BIOL 200/200L	4	BIO 121 General Biology II (GL)*	BIOL 206/206L	4
CHEM 111 General Chemistry I (GL)* © (Core 8)	CHEM 131/131L	4	CHEM 112 General Chemistry II A (GL)*	CHEM 132/132L	4
ENG 101 English Composition (GE)* © (Core 2)	ENGL 102	3	MATH 109 Precalculus Mathematics (GM) OR* © (Core 3)	MATH 119	4
PSY 101 General Psychology (GB) © (Core 6) ♦	PSYC 101	3	MATH 203 Calculus I (GM)* © (Core 3)	MATH 273	
Physical Education Elective	PHEA TLL	1	HUM 101 Intro to Digital Humanities (GAH) © (Core 5) ♦	HUMA TLL	3
		TOTAL CREDITS:	15		
		TOTAL CREDITS:	15		

YEAR 2 - Harford Community College					
Fall	TU Equivalent	Credits	Spring	TU Equivalent	Credits
CHEM 207 Organic Chemistry I*	CHEM T34 (334)	4	CHEM 208 Organic Chemistry II*	CHEM T36 (336)	4
HIST 103 History of the U.S. I (GB) (GAH) ♦ © (Core 11)	HIST 145	3		CHEM T37 (337)	
PHYS 101 Introductory Physics I (GL)*	PHYS 211	4	PHYS 102 Introductory Physics II (GL) *	PHYS 212	4
BIO 208 Genetics*	BIOL T09 (309)	4	PHIL 205 Ethics (GAH) © (Core 14) ♦	PHIL 103	3
General Elective	USEL TLL	1	SOC 101 Introduction to Sociology (GB) © (Core 10) ♦	SOCI 101	3
		TOTAL CREDITS:	16		
		TOTAL CREDITS:	14		

YEAR 3 - Towson University			
Fall	Credits	Spring	Credits
BIOL 204 Educational and Career Planning for the Biologist*	1	Cellular, Molecular and Organismal Physiology Concentration Course*	4
BIOL 205 General Botany OR BIOL 208 Biodiversity (3 credits)*	4	Core 12 Global Perspectives	3
BIOL 325 Animal Physiology OR BIOL 436 Plant Physiology (3 credits) *OR	4	BIOL 343 Human Anatomy & Physiology II for Biology Majors *(4 credits) OR	4
BIOL 342 Human Anatomy & Physiology I for Biology Majors* (4 credits)		General Elective	
Core 4 Creativity and Creative Development	3	Core 9 Advanced Writing Seminar	3
General Elective	3		
		TOTAL CREDITS:	15
		TOTAL CREDITS:	14

YEAR 4 - Towson University			
Fall	Credits	Spring	Credits
Cellular, Molecular and Organismal Physiology Concentration Course*	4	Upper (300-400) level major course (see TU catalog)*	3
Core 13 Diversity & Difference	3	Upper (300-400) level major course (see TU catalog)*	3
Upper (300-400) level major course (see TU catalog)*	4	General Electives	9
General Electives	5		
		TOTAL CREDITS:	16
		TOTAL CREDITS:	15

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

Notes & Recommendations from Towson University:

- * Core 1 at TU is automatically waived for all transfer students.
- *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.
- *Courses with the ♦ symbol are recommendations only; consult with advising for alternate options to complete all coursework within four years.
- * Course equivalents ending in TLL are general lower-level elective coursework at TU.
- *Major coursework at TU allows students to select from a variety of course offerings, and credit counts may vary. Please regularly consult the TU catalog and advising as needed when registering for courses.

- Bachelor’s degree requirements for all students:**
- A cumulative grade point average (GPA) of 2.0 is required.
 - A C grade (2.0 GPA) or higher is required for all major courses and prerequisites.
 - 32 credits of the bachelor’s degree must be completed at the upper level (courses numbered 300 or above) at TU