

Program Transfer Articulation Addendum

Bachelor's of Science in Biology Major Concentrations

This Program Transfer Articulation Addendum (this “Addendum”) effective as the date of the last signature below, is entered into pursuant to the Umbrella Program Transfer Agreement (the “Transfer Agreement”) dated [August 21, 2025], by and between College of Southern Maryland (“CSM”) and Towson University (“TU” and collectively with CSM, the “Parties”), and is incorporated into the Transfer Agreement. Unless specifically modified in this Addendum, all terms and conditions in the Transfer Agreement shall remain in full force and effect. Should any conflict exist between the Transfer Agreement and this Addendum, the terms and conditions of the Transfer Agreement shall prevail.

This Addendum establishes an articulated transfer pathway (“Pathway”) in which students from the Associate of Science degree program in Biology from CSM may seamlessly transfer into the following Bachelor of Science (B.S.) Biology major programs at TU:

- Biology major – without a concentration specified
- Biology: Cellular, Molecular and Organismal Physiology Concentration
- Biology: Ecology, Evolution and Conservation Concentration

For each degree program listed, a 2+2 Articulation Agreement shall be attached to this Addendum hereto and incorporated herein detailing the course equivalencies, general education, and major requirements, as well as any special admission and other additional requirements, necessary for CSM students to transfer into the aforementioned Biology major programs and successfully complete a bachelor's degree.

For the Pathway included in this Addendum, both Parties agree that faculty representatives from both institutions will meet regularly to engage in ongoing discussion to enhance and strengthen this collaboration, and agree to update the Pathway and/or associated 2+2 Articulation Agreements whenever substantive changes in the degree programs listed occur at either CSM or TU.

[Signature on next page]

IN WITNESS WHEREOF, the Parties hereby have caused this Addendum to be executed by their duly authorized representatives.

COLLEGE OF SOUTHERN MARYLAND

TOWSON UNIVERSITY

By: 
Bernice Brezina (Aug 21, 2026 15:45:47 EDT)

Dr. Bernice Brezina

Vice President, Division of Learning
President for

By: _____

Dr. Melanie Perreault

Provost and Executive Vice
Academic and Student Affairs

Date: _____

Date: _____

TU TOWSON UNIVERSITY

Effective Term:

Fall 2026

Towson University – Course	Credits	Notes
Core 1 - Towson Seminar		Waived for Transfer Students
Core 4 - Creativity & Creative Development	3	
Core 9 - Advanced Writing Seminar *	3	
Core 10 - Metropolitan Perspectives	3	
Core 12 - Global Perspectives	3	
Core 14 - Ethical Issues and Perspectives	3	
BIOL 204 - Educational and Career Planning for the Biolog	1	
BIOL 208 - Biodiversity *	3	
BIOL 310 - Conservation Biology *	4	Concentration Elective
BIOL 325 - Animal Physiology *	4	Physiology Elective
BIOL 408 - Cell Biology *	4	Concentration Elective
Required Electives **	12	One elective must be a lecture/laboratory course, a laboratory course,
Upper-Level Electives	5	
Electives	12	
TOTAL TU CREDITS:	60	

Notes & Recommendations from Towson University:

TU TOWSON UNIVERSITY

Effective Term:

Fall 2026

Towson University – Course	Credits	Notes
Core 1 - Towson Seminar		Waived for Transfer Students
Core 4 - Creativity & Creative Development	3	
Core 9 - Advanced Writing Seminar *	3	
Core 10 - Metropolitan Perspectives	3	
Core 12 - Global Perspectives	3	
Core 14 - Ethical Issues and Perspectives	3	
BIOL 204 - Educational and Career Planning for the Biolog	1	
BIOL 208 - Biodiversity *	3	
BIOL 310 - Conservation Biology *	4	Ecology, Evolution and Conservation Elective
BIOL 325 - Animal Physiology *	4	Physiology Elective; OR BIOL 436 *
BIOL 405 - Molecular Ecology, Evolution and Conservator	4	Ecology, Evolution and Conservation Elective
Required Electives **	12	One elective must be a lecture/laboratory course, a laboratory course, or
Upper-Level Electives	5	
Electives	12	
TOTAL TU CREDITS:	60	

Notes & Recommendations from Towson University:

PROGRAM TRANSFER GUIDE



Associate Degree in Biology, AS

Bachelor's Degree in Biology: Cellular, Molecular & Organismal Physiology

Effective Term:

Fall 2026

Community College – Course	Credits	TU Equivalent	Notes
ENG-1010 - Composition and Rhetoric *	3	ENGL 102 (Core 2)	
MTH-1200 - Calculus I and Analytic Geometry *	4	MATH 273 (Core 3)	Prerequisite may be required
COM-1650 - Introduction to Public Speaking	3	COMM 131 (Core 5)	OR any Humanities GenED acceptable
PSY-1010 - General Psychology	3	PSYC 101 (Core 6)	
BIO-1060/1060L - Principles of Biology I & Lab *	4	BIOL 200/200L (Core 7)	Lab will not transfer without the companion lecture course
CHE-1200/1200L - General Chemistry I & Lab *	4	CHEM 131/131L (Core 8)	Lab will not transfer without the companion lecture course
ENG-1020 - Composition & Literature	3	ENGL TLL (Core 11)	
SOC-1010 - Introduction to Sociology	3	SOCI 101 (Core 13)	OR any Social Science GenED acceptable
BIO-1070/BIO-1070L - Principles of Biology II & Lab *	4	BIOL 206/BIOL 206L	Lab will not transfer without the companion lecture course
BIO-2040/2040L - Principles of Genetics *	4	BIOL T09	Lab will not transfer without the companion lecture course
CHE-1210/1210L - General Chemistry II *	4	CHEM 132/132L	Lab will not transfer without the companion lecture course
CHE-2200/2200L - Organic Chemistry I & Lab *	4	CHEM T34	Lab will not transfer without the companion lecture course
CHE-2210/2210L - Organic Chemistry II & Lab *	4	CHEM T36/CHEMT37	Lab will not transfer without the companion lecture course
MTH-1210 - Calculus II	4	MATH 274	
PHY-1310 - Calc-Based Physics I: Mechanics & Fluids	4	PHYS 241	
PHY-2300 - Calc-Based Physics II: Vibrations, Heat, and Sound	4	PHYS 242	
SCE-1020 - Fundamentals of Research	1	USEL TLL	
TOTAL COMMUNITY COLLEGE CREDITS:	60		

Towson University – Course	Credits	Notes
Core 1 - Towson Seminar		Waived for Transfer Students
Core 4 - Creativity & Creative Development	3	
Core 9 - Advanced Writing Seminar *	3	
Core 10 - Metropolitan Perspectives	3	
Core 12 - Global Perspectives	3	
Core 14 - Ethical Issues and Perspectives	3	
BIOL 204 - Educational and Career Planning for the Biologist	1	
BIOL 208 - Biodiversity *	3	
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 Elective
BIOL 409 - Molecular Biology *	4	Cellular, Molecular and Organismal Physiology Elective
Required Electives **	12	One elective must be a lecture/laboratory course, a laboratory course, or a research experience.
Upper-Level Electives	3	
Electives	10	
TOTAL TU CREDITS:	60	

** 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: