

Suggested Transfer Pathway

College of Southern Maryland Associate Degree in Biology, AS to
Towson University Bachelor's Degree in Biology: Cellular, Molecular & Organismal Physiology
Total Credits: 60, Catalog Year: 2026–2027



College of Southern Maryland

(Courses may be taken in any order, pending prerequisites)

Year One – First Semester	Credits
ENG-1010 - Composition and Rhetoric *	3
MTH-1200 - Calculus I and Analytic Geometry *	4
COM-1650 - Introduction to Public Speaking	3
PSY-1010 - General Psychology	3
BIO-1060/1060L - Principles of Biology I & Lab *	4
TOTAL	17

Year One – Second Semester	Credits
CHE-1200/1200L - General Chemistry I & Lab *	4
ENG-1020 - Composition & Literature	3
SOC-1010 - Introduction to Sociology	3
BIO-1070/BIO-1070L - Principles of Biology II & Lab	4
BIO-2040/2040L - Principles of Genetics *	4
TOTAL	18

Year Two – First Semester	Credits
CHE-1210/1210L - General Chemistry II *	4
CHE-2200/2200L - Organic Chemistry I & Lab *	4
MTH-1210 - Calculus II	4
PHY-1310 - Calc-Based Physics I: Mechanics & Fluids	4
TOTAL	12

Year Two – Second Semester	Credits
CHE-2210/2210L - Organic Chemistry II & Lab *	4
PHY-2300 - Calc-Based Physics II: Vibrations, Heat &	4
SCE-1020 - Fundamentals of Research	1
TOTAL	9

* Denotes course that must be completed with a grade of C or better

Please see agreement for details.



College of Southern Maryland Contact:
advisor@csmd.edu

Suggested Transfer Pathway

College of Southern Maryland Associate Degree in Biology, AS to
Towson University Bachelor's Degree in Biology: Cellular, Molecular & Organismal Physiology
Total Credits: 60, Catalog Year: 2026–2027



(Courses may be taken in any order, pending prerequisites)

Towson University

Year Three – First Semester	Credits
Core 1 – Towson Seminar	
Core 4 – Creativity & Creative Development	3
Core 9 – Advanced Writing Seminar *	3
Core 10 – Metropolitan Perspectives	3
Core 12 – Global Perspectives	3
TOTAL	12

Year Four – First Semester	Credits
BIOL 343 – Human Anatomy and Physiology II for Biology Majors	4
BIOL 409 – Molecular Biology *	4
Required Electives **	12
TOTAL	20

Year Three – Second Semester	Credits
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
BIOL 408 – Cell Biology *	4
TOTAL	15

Year Four – Second Semester	Credits
Upper-Level Electives	3
Electives	10
TOTAL	13

* Denotes course that must be completed with a grade of C or better

** Must consult with a TU Academic Advisor

Please see agreement for details.



College of Southern Maryland Contact:
advisor@csmd.edu