

Westmoreland County Community College & West Virginia University

Associate of Science in Biology A.S. leading to
Bachelor of Science in Biology B.S.
Suggested Plan of Study



Westmoreland County Community College	Hours	WVU Equivalents	Hours
Year One, 1 st Semester			
PDV 171: Career Pathway Exploration	3	WVUE 191: First Year Seminar	3
ENG 161: College Writing	3	ENGL 101: Composition and Rhetoric	3
MTH 158: Pre-Cal Math	3	MATH 128: Plane Trigonometry	3
BIO 155: General Biology I	4	BIOL 101: General Biology I & BIOL 101L: General Biology Lab	4
CHM 155: General Chemistry I	4	CHEM 115 & CHEM 115L: Fundamentals of Chemistry and Lab ^(Required)	4
TOTAL	17		17
Year One, 2 nd Semester			
MTH 172: Analytical Geometry and Calculus I	4	MATH 155: Calculus I	4
BIO 156: General Biology II	4	BIO 102 General Biology II & BIOL 102L: General Biology Lab II	4
CHM 156: General Chemistry II	4	CHEM 116 & CHEM 116L: Fundamentals of Chemistry II & Lab II ^(Required)	4
ENG 164: Advanced Composition ^(Humanities)	3	ENGL 102: Composition and Rhetoric	3
TOTAL	15		15
Year Two, 1 st Semester			
CHM 250: Organic Chem I	4	CHEM 233 & CHEM 233L: Organic Chemistry I & Lab I	4
BIO 120: Environmental Issues or BIO 145: General Botany or BIO 255: Making Sense of Classical Genetics or BIO 265: Microbiology BIO 285: Molecular Genetics	3-4	ESWS 155: Elements-Environmental Protection or PLSC 206: Principles of Plant Science or GEN 101 + GEN 1TC: Beginner's Guide-Genetics or MICB 200: Medical Microbiology + MICB 2TC or GEN 371: Principles of Genetics	3-4
SPC 155: Effective Speech	3	COMM 270 & COMM 270S: Effective Public Speaking and Studio	3
Elective: Social Science	3	Elective	3
TOTAL	13-14		13-14
Year Two, 2 nd Semester			
CHM 251: Organic Chem II	4	CHEM 234 & CHEM 234L: Organic Chemistry II & Lab II	4
BIO 120: Environmental Issues or BIO 145: General Botany or BIO 255: Making Sense of Classical Genetics or BIO 265: Microbiology BIO 285: Molecular Genetics	4	ESWS 155: Elements-Environmental Protection or PLSC 206: Principles of Plant Science or GEN 101 + GEN 1TC: Beginner's Guide-Genetics or MICB 200: Medical Microbiology + MICB 2TC or GEN 371: Principles of Genetics	4
STM 296: STEM Seminar	1	PHYS 1TC	1
Elective: Humanities	3	Elective	3
Elective: Social Science	3	Elective	3
TOTAL	15		15

West Virginia University			
Summer Session		BIOL 117: Introductory Physiology & BIOL 120L Foundations Inquiry Lab 2	4
Year Three, 1 st Semester		Year Three, 2 nd Semester	
BIOL 219: Cellular and Molecular Biology & BIOL 222: Intermediate Inquiry Lab	5	BIOL 221: Ecology and Evolution	3
BIOL 223: Quantitative Biology	3	BIOL 323L: Advanced Inquiry Lab ^(EDG 1)	2
BIOL 302: Biometry	3	BIOL 327: Professional Development	1
EDG 2: Effective and Civil Communication	3	BIOL 315: Communicating Natural Science	3
EDG 3: Ethics and Civil Responsibility	3	Area of Emphasis Course ⁽¹⁾	3
		PHYS 101 & PHYS 101L or PHYS 111 & PHYS 111L or SUST 101 & SUST 101L	4
TOTAL	17	TOTAL	16
Year Four, 1 st Semester		Year Four, 2 nd Semester	
BIOL 387: Experimental Design & Comm 1 ^(EDG 1)	1	BIOL 487: Experimental Design & Comm 2	1
Area of Emphasis Course ⁽²⁾	3	BIOL 320 or BIOL 321 or BIOL 486 ^(Capstone/EDG 6)	3
Area of Emphasis Course ⁽³⁾	3	Area of Emphasis Course ⁽⁴⁾	3
Upper-Division Biology Elective ⁽¹⁾	3	Upper-Division Biology Elective ⁽²⁾	3
ARSC 380 ^(EDG 5)	3	Upper-Division Biology Elective ⁽³⁾	3
PHYS 102 & PHYS 102L or PHYS 112 & PHYS 112L or SUST 201 & SUST 201L or SUST 207 & SUST 207L	4	EDG 4: Global and Regional Perspective	3
TOTAL	17	TOTAL	16

Students must have a C- or better in BIO 155, BIO 156, and CHE 155 (WVU's BIOL 101/L & BIOL 102L and CHEM 115/L) to be admitted directly into the Biology program upon transferring to West Virginia University. It is highly encouraged for students to take BIOL 117 & BIOL 117L in the summer before full-time enrollment at WVU.

Students can select from three different Areas of Emphasis (AoE) once at WVU:

- Cell & Molecular
- Ecology, Ecosystems & Global Change
- Integrative Biology

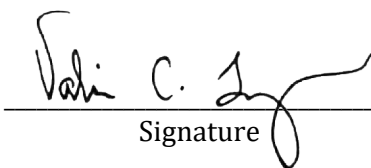
Students transferring to West Virginia University with an Associate of Arts or Associate of Science degree will have satisfied the General Education Foundation requirements at WVU.

Students who have questions regarding this articulation agreement or the transferability of coursework may contact the WVU Office of the University Registrar. All other questions should be directed to the WVU Office of Admissions.

The above transfer articulation of credit between West Virginia University and Westmoreland County Community College, is approved by the Dean, or the Dean's designee, and effective the date of the signature.

Valérie Lastinger

Print Name



Signature

10/7/25

Date

Valerie Lastinger Ph. D. Associate Dean of Academic Affairs, WVU Eberly College of Arts & Sciences