

# Westmoreland Community College & West Virginia University



Associate of Science in Biology leading to  
Bachelor of Science – Environmental Microbiology (WVU-BS)  
Suggested Plan of Study



Westmoreland Community College	Hours	WVU Equivalents	Hours
<b>Year One, 1<sup>st</sup> Semester</b>			
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	4
<b>TOTAL</b>	17		17
<b>Year One, 2<sup>nd</sup> Semester</b>			
MTH 172: 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 and Lab II	4
ENG 164: Advanced Composition	3	ENGL 102: Composition and Rhetoric	3
<b>TOTAL</b>	15		15
<b>Year Two, 1<sup>st</sup> Semester</b>			
CHM 250: Organic Chem I	4	CHEM 233 & CHEM 233L: Organic Chemistry and 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	ENVP 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	MDS 270: Effective Public Speaking	3
PSY 160: Introduction to Psychology or SOC 155: Introduction to Sociology	3	PSYC 101: Introduction to Psychology or SOC 101: Introduction to Sociology	3
<b>TOTAL</b>	13-14		13-14
<b>Year Two, 2<sup>nd</sup> Semester</b>			
CHM 251: Organic Chem II	4	CHEM 234 & CHEM 234L: Organic Chemistry and 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 (recommended)	3-4	ENVP 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
STM 296: STEM Seminar	1	PHYS 1TC	1
Humanities Elective	3	Elective	3
ECN 255: Macroeconomics or ECN 256: Microeconomics	3	ECON 202: Principles of Macroeconomics or ECON 201 Principles of Microeconomics	3
<b>TOTAL</b>	14-15		14-15
*BIO 285 is recommended course selection for students to complete at Westmoreland.			

West Virginia University			
Year Three, 1 <sup>st</sup> Semester		Year Three, 2 <sup>nd</sup> Semester	
*GEN 371: Principles of Genetics or Elective	4	Restricted Elective (1)	4
AEM 216: Living in a Microbial World	3	BIOL 117 & BIOL 117L: Introductory Physiology and Introductory Physiology Lab	4
AEM 341 and 341L: General Microbiology	4	PHYS 102 & PHYS 102L: Introductory Physics II	4
PHYS 101 & PHYS 101L: Introductory Physics	4	STATS 211: Elementary Statistical Inference	3
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</b>
Year Four, 1 <sup>st</sup> Semester		Year Four, 2 <sup>nd</sup> Semester	
AGBI 410: Introductory Biochemistry	3	AEM 470: Microbes and Global Change	3
PPTH 401: General Plant Pathology	4	AEM 401: Environmental Microbiology	3
BIOL 219 & BIOL 219L: The Living Cell and The Living Cell Lab	4	Restricted Elective (3)	3
Restricted Elective (2)	3	Restricted Elective (4)	3
General Elective	1	Restricted Elective (5)	3
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</b>

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.

Kimberly Barnes

Print Name



Signature

10/7/2022

Date

Kimberly Barnes Ph.D. Associate Dean for WVU's Davis College of Agriculture, Natural Resources and Design