

# Westmoreland County Community College & West Virginia University



Associate of Science in Biology A.S. leading to  
 Bachelor of Science in Animal & Nutritional Sciences B.S.  
 Suggested Plan of Study



Westmoreland County 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 167: College Trigonometry	3	MATH 128: Plane Trigonometry	3
BIO 155: General Biology I	4	BIOL 101: General Biology I & BIOL 101L: General Biology Lab	4
CHM 150/151: General Chemistry I	4	CHEM 115 & CHEM 115L: Fundamentals of Chemistry & 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 160/161: General Chemistry II	4	CHEM 116 & CHEM 116L: Fundamentals of Chemistry & 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 260/261: Organic Chemistry I	4	CHEM 233 & CHEM 233L: Organic Chemistry & 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 (Science Elective)	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 270/271: Organic Chemistry II	4	CHEM 234 & CHEM 234L: Organic Chemistry & 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	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 (Recommended)	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

West Virginia University			
Year Three, 1 <sup>st</sup> Semester		Year Three, 2 <sup>nd</sup> Semester	
PHYS 101: Introductory Physics I & PHYS 101L: Introductory Physics I Lab	4	PHYS 102: Introductory Physics II & PHYS 102L: Introductory Physics II Lab	4
Agriculture Elective (1) <sup>(300/400 Level)</sup>	3	Agriculture Elective (2) <sup>(300/400 Level)</sup>	3
Agriculture Elective	3	Agriculture Elective	3
General Elective	3	General Elective	3
General Elective	3	General Elective	1
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>14</b>
Year Four, 1 <sup>st</sup> Semester		Year Four, 2 <sup>nd</sup> Semester	
Agriculture Elective (3) <sup>(300/400 Level)</sup>	3	A&VS 402: Values and Ethics or A&VS 491: Professional Field Experience or A&VS 496: Senior Thesis <sup>(Capstone)</sup>	3
Agriculture Elective	3	A&VS 402: Values and Ethics or A&VS 451: Current Literature in Animal Science <sup>(Writing)</sup>	3
General Elective	3	Agriculture Elective (4) <sup>(300/400 Level)</sup>	3
General Elective	3	Agriculture Elective	3
General Elective	3	General Elective	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		2/10/2025
Print Name	Signature	Date

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