

**Westmoreland County Community College & West Virginia University**

Associate of Science in Biology A.S. leading to

Bachelor of Science in Agriculture in Animal &amp; Nutritional Sciences B.S.Agr.

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 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 & 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 & 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	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

