

# Westmoreland County Community College & West Virginia University

Associate of Science in Biology A.S. leading to  
Bachelor of Science in Biochemistry 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: First Year Seminar	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 & Lab	4
<b>TOTAL</b>	17		17
<b>Year One, 2<sup>nd</sup> Semester</b>			
BIO 156: General Biology II	4	BIO 102 General Biology II & BIOL 102L: General Biology Lab II	4
MTH 172: Calculus I	4	MATH 155: Calculus I	4
CHM 156: General Chemistry II	4	CHEM 116 & CHEM 116L: Fundamentals of Chemistry & Lab II	4
*PHY 255: Engineering Physics I	5	*PHYS 111 & PHYS 111L + PHYS 1TC: General Physics I	5
<b>TOTAL</b>	17		17
<b>Year Two, 1<sup>st</sup> Semester</b>			
*PHYS 256: Engineering Physics II	5	*PHYS 112 & PHYS 112L + PHYS 1TC: General Physics II	5
CHM 250: Organic Chem I	4	CHEM 233 & CHEM 233L: Organic Chemistry & Lab I	4
MTH 173: Calculus II	4	MATH 156: Calculus II	4
SPC 155: Effective Speech	3	MDS 270: Effective Public Speaking	3
<b>TOTAL</b>	16		16
<b>Year Two, 2<sup>nd</sup> Semester</b>			
CHM 251: Organic Chem II	4	CHEM 234 & CHEM 234L: Organic Chemistry & Lab II	4
ENG 164: Advanced Composition	3	ENGL 102: Composition and Rhetoric	3
STM 296: STEM Seminar	1	PHYS 1TC	1
MTH 160: Introduction Statistics	3	STAT 211: Elementary Statistical Inference	3
Humanities Elective	3	Elective	3
<b>TOTAL</b>	14		14

