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				
Year One, 1st Semester							
PDV 171: First Year Seminar	3	WVUE 191: First Year Seminar					
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				
TOTAL	17		17				
	Year One, 2	2 nd Semester					
BIO 156: General Biology II	4	BIO 102 General Biology II & BIOL 102L: General Biology Lab II					
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				
TOTAL	17		17				
	Year Two, 1st Semester						
*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				
TOTAL	16		16				
7	Year Two, 2	2 nd Semester					
CHM 251: Organic Chem II	4	CHEM 234 & CHEM 234L: Organic Chemistry & Lab II					
ENG 164: Advanced Composition	3	ENGL 102: Composition and Rhetoric 3					
STM 296: STEM Seminar	1	PHYS 1TC					
MTH 160: Introduction Statistics	3	STAT 211: Elementary Statistical Inference 3					
Humanities Elective	3	Elective 3					
TOTAL	14		14				

West Virginia University

American Chemical Society (ACS) Track

Year Three, 1 st Semester		Year Three, 2 nd Semester	
BIOL 117 & BIOL 117L	4	Biochemistry Elective (1) 4	
CHEM 215 & CHEM 215L	4	CHEM 341 & CHEM 341L 4	
AGBI 410 & AGBI 410L	4	CHEM 462 & CHEM 462L 4	
General Elective	3	Biochemistry Elective (2) 3	
TOTAL	15	TOTAL	15
Year Four, 1 st Semester		Year Four, 2 nd Semester	
CHEM 322	3	CHEM 310 & 310L 4	
CHEM 497	3	CHEM 402 2	
BIOL 219 & BIOL 219L	4	BIOL 310 3	
Biochemistry Elective (3)	3	Biochemistry Elective (4)	3
		General Elective	1
TOTAL	13	TOTAL	13

American Society of Biochemistry and Molecular Biology Track (ASBMB)

Year Three, 1st Semester		Year Three, 2 nd Semester	
AGBI 410 & AGBI 410L	4	Biochemistry Elective (1) 3	
CHEM 215 & CHEM 215L	4	Biochemistry Elective (2) 4	
BIOL 117 & BIOL 117L	4	CHEM 462 & CHEM 462L	
General Electives	3	CHEM 341 & CHEM 341L	
TOTAL	15	TOTAL	15
Year Four, 1st Semester		Year Four, 2 nd Semester	
BIOL 423	3	BIOL 310 3	
AGBI 386 & AGBI 486	3	BIOL 313	
Biochemistry Elective (3)	4	Biochemistry Elective (4)	
BIOL 219 & BIOL 219L	4	General Elective 3	
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TOTAL	14	TOTAL	12

^{**}Students who seek to pursue the American Chemical Society track are required to take PHYS 111/PHYS 112, or its equivalent through Westmoreland, prior to the first fall semester at West Virginia University. This allows for students to maintain progression through Physical Chemistry courses, and their subsequent courses in their senior year. Those students seeking the American Society of Biochemistry and Molecular Biology track can take the lower equivalent of PHYS 101/102.

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.

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Kimberly Barnes	RY)	14/11	1/17/2024			
Print Name	1	Signature	Date			
Kimberly Barnes Ph.D. Associate Dean for WVU's Davis College of Agriculture, Natural Resources and Design						
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Valérie Lastinger	Vali	C. 1	1/23/24			
Print Name	9	Signature	Date			
Valerie Lastinger Ph. D. Associate Dean of Academic Affairs, WVU Byerly College of Arts & Sciences						