

Westmoreland County Community College & West Virginia University

Associate of Science in Chemistry A.S. leading to
Bachelor of Science Chemistry B.S.
Suggested Plan of Study



Westmoreland County Community College	Hours	WVU Equivalents	Hours
Year One, 1 st Semester			
PDV 171: Career Pathway Exploration	3	WVUE 191: First Year Seminar	3
PHY 255: Engineering Physics I	5	PHYS 111 & PHYS 111L + PHYS 1TC: General Physics I & Lab I (Required)	5
CHM 150: General Chemistry I & CHM 151: General Chemistry I Lab	4	CHEM 115 & CHEM 115L: Fundamentals of Chemistry & Lab I (Required)	4
MTH 172: Calculus I	4	MATH 155: Calculus I (Required)	4
TOTAL	16		16
Year One, 2 nd Semester			
ENG 161: College Writing	3	ENGL 101: Composition and Rhetoric	3
MTH 173: Calculus II	4	MATH 156: Calculus II (Required)	4
PHYS 256: Engineering Physics II	5	PHYS 112 & PHYS 112L + PHYS 1TC: General Physics II & Lab II (Required)	5
CHM 160: General Chemistry II & CHM 161: General Chemistry II Lab	4	CHEM 116 & CHEM 116L: Fundamentals of Chemistry & Lab II (Required)	4
TOTAL	16		16
Year Two, 1 st Semester			
ENG 164: Advanced Composition	3	ENGL 102: Composition and Rhetoric	3
CHM 260: Organic Chem I & CHM 261: Organic Chem I Lab	4	CHEM 233 & CHEM 233L: Organic Chemistry & Lab I (Required)	4
BIO 155: General Biology I or CPT 160: Intro to Programming	3-4	BIOL 101: General Biology I & BIOL 101L: General Biology Lab or ENGR 2TC: Intro to Programming	3-4
MTH 271: Analytical Geometry & Calculus III	4	MATH 251: Multivariable Calculus	4
PHY 259: Thermodynamics & Fluid Mechanics	3	PHYS 2TC: Thermodynamics & Fluid Mechanics	4
TOTAL	17-18		17-18
Year Two, 2 nd Semester			
CHM 270: Organic Chem II & CHM 271: Organic Chem II Lab	4	CHEM 234 & CHEM 234L: Organic Chemistry II & Lab II (Required)	4
SPC 155: Effective Speech	3	COMM 270 & COMM 270S: Effective Public Speaking and Studio	3
STM 296: STEM Seminar	1	PHYS 1TC	1
Social Science Elective	3	Elective	3
TOTAL	11		11

West Virginia University			
Year Three, 1 st Semester		Year Three, 2 nd Semester	
CHEM 215 & CHEM 215L	4	CHEM 322	3
Focus Area Course ⁽¹⁾	3	Focus Area Course ⁽²⁾	4
BIOL 115 & BIOL 115L or SUST 101 & SUST 101L ^(Science Pair)	4	Upper Division CHEM Elective ⁽¹⁾	3
EDG 1: Data and Society	3	BIOL 116 & BIOL 116L or SUST 201 & SUST 201L or SUST 207 & SUST 207L ^(Science Pair)	4
EDG 2 : Effective and Civil Communication	3		
TOTAL	17	TOTAL	14
Year Four, 1 st Semester		Year Four, 2 nd Semester	
Focus Area Course ⁽³⁾	4	CHEM 402 ^(Capstone)	3
Upper Division CHEM Elective ⁽²⁾	3	Upper Division CHEM Elective ⁽³⁾	3
EDG 3: Ethics and Civil Responsibility	3	EDG 6: High Impact Experience	3
EDG 4: Global and Regional Perspective	3	ARSC 380 ^(EDG 5)	3
General Elective	2	General Elective	3
TOTAL	15	TOTAL	15

Students will need to select a Focus Area once at WVU. Each will be a minimum of 11 credit hours:

- Chemistry & Health
- Chemistry & the Environment
- ACS Certified Chemist

Students must complete both CHM 155 & CHM 156 with a grade of C- or better to be admitted to the Chemistry program when transferring to WVU.

CHEM 191 is recommended by the Chemistry department as a helpful addition.

*CHEM 402 is currently offered in both Fall and Spring semesters. Students can work with their faculty advisors to plan their Capstone courses.

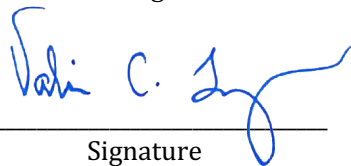
Students transferring to West Virginia University with an Associate of Arts or Associate of Science degree will have satisfied the General Education Foundation requirements at WVU.

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 at 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.

Valérie Lastinger

Print Name



Signature

9/9/25

Date

Valerie Lastinger Ph. D. Associate Dean of Academic Affairs, WVU Eberly College of Arts & Sciences