

# Westmoreland County Community College & West Virginia University

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



Westmoreland County Community College	Hours	WVU Equivalents	Hours
Year One, 1 <sup>st</sup> 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	5
CHM 150: General Chemistry I & CHM 151: General Chemistry I Lab	4	CHEM 115 & CHEM 115L: Fundamentals of Chemistry & Lab I	4
MTH 172: Calculus I	4	MATH 155: Calculus I	4
<b>TOTAL</b>	16		16
Year One, 2 <sup>nd</sup> Semester			
ENG 161: College Writing	3	ENGL 101: Composition and Rhetoric	3
MTH 173: Calculus II	4	MATH 156: Calculus II	4
PHYS 256: Engineering Physics II	5	PHYS 112 & PHYS 112L + PHYS 1TC: General Physics II & Lab II	5
CHM 160: General Chemistry II & CHM 161: General Chemistry II Lab	4	CHEM 116 & CHEM 116L: Fundamentals of Chemistry & Lab II	4
<b>TOTAL</b>	16		16
Year Two, 1 <sup>st</sup> 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	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
<b>TOTAL</b>	17-18		17-18
Year Two, 2 <sup>nd</sup> Semester			
CHM 270: Organic Chem II & CHM 271: Organic Chem II Lab	4	CHEM 234 & CHEM 234L: Organic Chemistry II & Lab II	4
SPC 155: Effective Speech	3	MDS 270: Effective Public Speaking	3
STM 296: STEM Seminar	1	PHYS 1TC	1
Social Science Elective	3	Elective	3
<b>TOTAL</b>	11		11

West Virginia University			
Year Three, 1 <sup>st</sup> Semester		Year Three, 2 <sup>nd</sup> Semester	
CHEM 215 & CHEM 215L	4	CHEM 341 & CHEM 341L	4
General Elective or Minor Course (1)	3	CHEM Elective (1)	3
General Elective Minor Course (2)	3	WRIT 304 or WRIT 305	3
General Elective	3	General Elective Minor Course (3)	3
General Elective	2	General Elective	2
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</b>
Year Four, 1 <sup>st</sup> Semester		Year Four, 2 <sup>nd</sup> Semester	
CHEM Elective (2)	3	*CHEM 402 (Capstone)	3
CHEM Elective (3)	4	CHEM Elective (4)	4
General Elective Minor Course (4)	3	General Elective	3
General Elective Minor Course (5)	3	General Elective	3
General Elective	3	General Elective	1
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>14</b>

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 completing degrees from the WVU Eberly College of Arts and Sciences are required to work with their advisors to integrate completion of an academic minor or minors into their programs of study. WVU offers over 100 minors that complement major fields of study, build on students' unique interests, expand perspectives, and broaden skills. See <http://catalog.wvu.edu/undergraduate/minors/#minorsofferedtext> for a list of available minors. Westmoreland County Community College students may begin completion of certain minors at WCCC by utilizing *Elective* hours to take courses equivalent to the minor's introductory requirements at WVU.

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.

Valérie Lastinger  
 \_\_\_\_\_  
 Print Name

  
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 Signature

7/25/24  
 \_\_\_\_\_  
 Date

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