



# Westmoreland Community College & West Virginia University

Associate of Science in Physics leading to  
Bachelor of Arts in Physics (WVU-BA)  
Suggested Plan of Study



Westmoreland Community College	Hours	WVU Equivalents	Hours
<b>Year One, 1<sup>st</sup> Semester</b>			
PDV 101: First Year Seminar	1	WVUE 191: First Year Seminar	1
*PHY 255: Engineering Physics I	5	*PHYS 111 + PHYS 1TC: General Physics I	5
CHM 155: General Chemistry I	4	CHEM 115 & CHEM 115L: Fundamentals of Chemistry and Lab	4
MTH 172: Calculus I	4	MATH 155: Calculus I	4
<b>TOTAL</b>	16		16
<b>Year One, 2<sup>nd</sup> Semester</b>			
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 1TC: General Physics II	5
CHM 156: General Chemistry II	4	CHEM 116 & CHEM 116L: Fundamentals of Chemistry and Lab II	4
<b>TOTAL</b>	15		16
<b>Year Two, 1<sup>st</sup> Semester</b>			
ENG 164: Advanced Composition	3	ENGL 102: Composition and Rhetoric	3
PHY 259: Thermodynamics and Fluid Mechanics	3	PHYS 2TC	3
SPC 155: Effective Speech	3	CSAD 270: Effective Public Speaking	3
MTH 271: Calculus III	4	MATH 251: Multivariable Calculus	4
<b>TOTAL</b>	13		13
<b>Year Two, 2<sup>nd</sup> Semester</b>			
SOC 155: Introduction to Sociology	3	SOC 101: Introduction to Sociology	3
PHY 258: Modern Physics	3	PHYS 314: Intro to Modern Physics	3
STM 296: STEM Seminar	1	PHYS 1TC	1
MTH 272: Differential Equations	3	MATH 2TC	3
PSY 160: Introduction to Psychology	3	PYSC 101: Introduction to Psychology	3
Humanities Elective	3	Humanities Elective	3
<b>TOTAL</b>	16		16

WEST VIRGINIA UNIVERSITY			
Year Three, 1 <sup>st</sup> Semester		Year Three, 2 <sup>nd</sup> Semester	
MATH 261 or 300/400-Level MATH	4	PHYS 332: Theoretical Mechanics 2 or PHYS 334: Electricity and Magnetism	3
PHYS 331: Theoretical Mechanics 1	3	PHYS 333: Electricity and Magnetism I	3
PHYS 312: Oscillations and Thermal Physics	3	MATH/STATS/CS 300+Level Course	3
General Elective	3	ASTR or PHYS at the 300-or 400 level (1)	3
General Elective	3	General Elective	3
<b>TOTAL</b>	16	<b>TOTAL</b>	15
Year Four, 1 <sup>st</sup> Semester		Year Four, 2 <sup>nd</sup> Semester	
PHYS 451: Introductory Quantum Mechanics	3	PHYS 342: Advanced Physics Lab II	2
PHYS 341: Advanced Physics Lab I (2)	2	PHYS 461: Thermodynamics and Statistical Mechanics	3
ASTR or PHYS at the 300-or 400 level AoE (3)	3	PHYS 496: Senior Thesis	3
General Elective	3	ASTR or PHYS at the 300-or 400 level	3
General Elective	4	General Elective	3
<b>TOTAL</b>	15	<b>TOTAL</b>	14

Students must have a GPA of 2.2 or better in all MTH and PHY courses to be admitted into the Physics program upon transferring to West Virginia University.

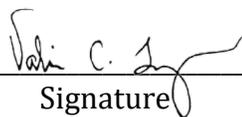
Students transferring to West Virginia University with an Associate of Arts or Associate of Science degree will have satisfied the General Education Foundation requirements at WVU.

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



Signature

02/01/22

Date

Valerie Lastinger Ph.D. Associate Dean for WVU's Eberly College of Arts & Sciences