Westmoreland County Community College & West Virginia University
Associate of Science in Mathematics A.S. leading to
Bachelor of Science in Mathematics B.S.
Suggested Plan of Study

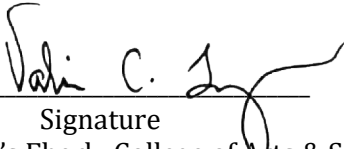| Westmoreland County Community College	Hours	WVU Equivalents	Hours
Year One, 1st Semester			
PDV 171: Career Pathway Exploration	3	WVUE 191: First Year Seminar	3
MTH 172: Calculus I	4	MATH 155: Calculus I [Required]	4
PHY 255: Engineering Physics I	5	*PHYS 111 & PHYS 111L + PHYS 1TC: General Physics I & Lab I [Required]	5
CPT 160: Introduction to Programming	3	ENGR 1TC: Introduction to Programming	3
TOTAL	15		15
Year One, 2nd Semester			
PHY 256: Engineering Physics II (Lab Science Elective)	5	*PHYS 112 & PHYS 112L + PHYS 1TC: General Physics II & Lab II	5
CPT 180: C++ Programming	3	CS 110: Introduction to Computer Science	3
ENG 161: College Writing	3	ENGL 101: Composition and Rhetoric [Required]	3
MTH 173: Calculus II	4	MATH 156: Calculus II [Required]	4
TOTAL	15		15
Year Two, 1st Semester			
ECN 255: Macroeconomic [SS Elective]	3	ECON 202: Principles of Macroeconomics	3
SPC 155: Effective Speech	3	COMM 270 & COMM 270S: Effective Public Speaking and Studio	3
MTH 271: Analytical Geometry and Calculus III	4	MATH 251: Multivariable Calculus [Required]	4
PHL 155: Intro to Logic [Humanities Elective]	3	PHIL 260: Intro to Symbolic Logic	3
CHM 150: General Chemistry I & CHM 151: General Chemistry I Lab [General Elective]	4	CHEM 115 & CHEM 115L: Fundamentals of Chemistry & Lab I	4
TOTAL	17		17
Year Two, 2nd Semester			
MTH 277: Discrete Mathematics	3	MATH 378: Discrete Mathematics [Math Elective 1]	3
MTH 272: Differential Equations or *MTH 275: Linear Algebra [Recommended]	3	MATH 2TC: Differential Equations or *MATH 343: Introduction to Linear Algebra [Required]	3
Humanities Elective	3	Elective	3
STM 296: STEM Seminar	1	PHYS 1TC: STEM Seminar	1
ECN 256: Microeconomics [SS Elective]	3	ECON 201: Principles of Microeconomics	3
CHM 160: General Chemistry II & CHM 161: General Chemistry II Lab [General Elective]	4	CHEM 116 & CHEM 116L: Fundamentals of Chemistry & Lab II	4
TOTAL	17		17
*MATH 275: Linear Algebra (WVU MATH 343) is recommended as the best option for students transferring to the MATH BS program.			

West Virginia University			
Year Three, 1st Semester		**Year Three, 2nd Semester**	
STAT 215: Introduction to Probability and Statistics	3	MATH 322: Introduction to Programming and Computational Mathematics	3
MATH 261: Elementary Differential Equations	4	Math Elective Course [3]	3
MATH 303: Introduction to the Concepts of Mathematics	3	EDG 2: Effective and Civil Communication	3
Math Elective Course [2]	3	EDG 3: Ethics and Civil Responsibility	3
EDG 1: Data and Society	3	General Elective	2
TOTAL	16	**TOTAL**	14
Year Four, 1st Semester		**Year Four, 2nd Semester**	
MATH 480 or STAT 480: Capstone Design [EDG 6]	1	MATH 481 & STAT 481: Capstone Experience [EDG 6]	2
MATH 341: Introduction to Algebraic Structures	3	Math Elective Course [5]	3
MATH 451: Introduction to Real Analysis 1	3	ARSC 380 [EDG 5]	3
Math Elective Course [4]	3	General Elective	3
EDG 4: Global and Regional Perspectives	3	General Elective	4
General Elective	2		
TOTAL	15	**TOTAL**	15

Students must have a C- or better in MATH 172 (WVU's MATH 155) to be admitted directly into the Mathematics program upon transferring to West Virginia University.

Students are encouraged to explore other MATH course offerings in lieu of Elective hours 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_____   _____   9/23/25____
          Print Name   Signature   Date
Valerie Lastinger Ph.D. Associate Dean for WVU's Eberly College of Arts & Sciences