



Virginia's Community Colleges & West Virginia University
 Associate of Arts and Science in Mathematics A.S. leading to
 Bachelor of Science in Physics B.S.
 Suggested Plan of Study



Virginia's Community Colleges	Hours	WVU Equivalent	Hours
Year One, 1 st Semester			
SDV 100 or SDV 101	1-2	WVUE 191	1-2
ENG 111	3	ENGL 101 (Required)	3
*MTH 263 (Math Course; Must earn C or better)	4	MATH 155 (Required)	4
CHM 111 (Major Requirement)	4	CHEM 115 & CHEM 115L (Required)	4
Any UCGS Art, Humanities, or Literature Course	3	Elective	3
TOTAL	15-16	TOTAL	15-16
Year One, 2 nd Semester			
ENG 112	3	ENGL 102 (Required)	3
*MTH 264 (Major Requirement; Must earn C or better)	4	MATH 156 (Required)	4
PHY 241 (Lab Science; Must earn C or better)	4	PHYS 111 & PHYS 111L (Required)	4
CHM 112 (Major Requirement)	4	CHEM 116 & CHEM 116L (Required)	4
TOTAL	15	TOTAL	15
Year Two, 1 st Semester			
MTH 265 (Major Requirement)	4	MATH 251 (Required)	4
PHY 242 (Major Requirement)	4	PHYS 112 & PHYS 112L (Required)	4
Social & Behavioral Sciences Elective	3	Elective	3
*Transfer Elective	4	Elective	4
TOTAL	15	TOTAL	15
Year Two, 2 nd Semester			
MTH 267 (Major Requirement)	3	MATH 261 (Required)	3
MTH 266 (Major Requirement)	3	MATH 343	3
HIS 111 or HIS 112 or HIS 121 or HIS 122 (History Course)	3	HIST 179 or HIST 180 or HIST 152 or HIST 153	3
Any UCGS Art, Humanities, or Literature course (must be from different category than previous course)	3	Elective	3
*Transfer Elective	3	Elective	3
TOTAL	15		15
*Students who need to complete the required prerequisite for MTH 263 should use the "Transfer Elective" slot to complete their math sequence.			

West Virginia University			
Year Three, 1 st Semester		Year Three, 2 nd Semester	
PHYS 312	3	PHYS 314	4
PHYS 331	3	PHYS 333	3
ASTR or PHYS Course ^(300/400-Level)	3	PHYS 332 or Elective ^(AoE)	3
EDG 1: Data and Society	3	EDG 3: Ethics and Civil Responsibility	3
EDG 2: Effective and Civil Communication	3	General Elective	2
TOTAL	15	TOTAL	15
Year Four, 1 st Semester		Year Four, 2 nd Semester	
PHYS 341L ^(EDG 6/ AoE)	2	PHYS 496 ^(Capstone)	3
PHYS 451	3	PHYS 461 ^(AoE)	3
PHYS 334 or Elective ^(AoE)	3	PHYS 342L ^(AoE)	2
ARSC 380 ^(EDG 5)	3	EDG 4: Global and Regional Perspectives	3
General Elective	4	General Elective	4
TOTAL	15	TOTAL	15

Students must maintain a 2.2 GPA in all MTH and PHY courses to be admitted to the Physics program when transferring to WVU.

Area of Emphasis: Students completing a Bachelor of Science in Physics must complete an Area of Emphasis selected from Computational Physics, Medical Physics, Physics Teaching, Professional Preparation, or Space Physics. The Professional Preparation Area of Emphasis is the typical plan of study for a B.S. degree in physics. Hours will vary based on the Area of Emphasis.

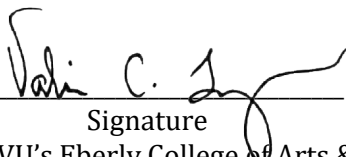
Students who have questions about GEF requirements or any other issue relating to academics at West Virginia University should contact the Office of Undergraduate Education at WVU.

The above transfer articulation of credit between West Virginia University and Virginia's Community Colleges, is approved by the Dean, or the Dean's designee, and effective the date of the signature.

Valérie Lastinger

Print Name

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



Signature

12/16/25

Date