

Suggested Transfer Pathway

College of Southern Maryland Associate of Science in Mathematics & Sciences: Physics A.S. leading to
West Virginia University Bachelor of Arts in Physics B.A.
Total Credits: 61, Catalog Year: 2025-2026



College of Southern Maryland

(Courses may be taken in any order, pending prerequisites)

Year One – First Semester	Credits
ENG 1010 Composition and Rhetoric	3
FYS 1010 First Year Seminar	3
MTH 1200 Calculus I and Analytic Geometry	4
CHE 1200 & CHE 1200L General Chemistry I & Lab	4
Social / Behavioral Sciences	3
TOTAL	17

Year One – Second Semester	Credits
CHE 1210 & CHE 1210L General Chemistry II & Lab	4
PHY 1310 Calculus-Based Physics I: Mechanics and Fluids with Lab	4
MTH 1210 Calculus II	4
Social / Behavioral Sciences w/ CGA	3
TOTAL	15

Year Two – First Semester	Credits
PHY 2300 Calculus-Based Physics II: Vibrations, Heat, and Electricity with Lab	4
MTH 2200 Calculus III	4
ENG 1020 Composition & Literature	3
Art/Humanities	3
TOTAL	14

Year Two – Second Semester	Credits
PHY 2320 Calculus-Based Physics III: Magnetism, Optics, and Modern Physics with Lab	4
MTH 2210 Differential Equations	4
MTH 2220 Introduction to Linear Algebra	4
Art / Humanities w/ CGA	3
TOTAL	15

Please see agreement for details.



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advisor@csmd.edu

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Year Three – First Semester	Credits
PHYS 312 Oscillations and Thermal Physics	3
PHYS Elective (1)	3
Elective or Minor Course (1)	3
Elective or Minor Course (2)	3
General Elective	3
TOTAL	15

Year Three – Second Semester	Credits
PHYS 314 Introductory Modern Physics	4
PHYS Elective (2)	3
Elective or Minor Course (3)	3
General Elective	3
General elective	3
TOTAL	15

Year Four – First Semester	Credits
PHYS Elective (3)	3
Elective or Minor Course (4)	3
Elective or Minor Course (5)	3
General Elective	3
General Elective	3
TOTAL	15

Year Four – Second Semester	Credits
PHYS 341L Advanced Physics 1 Laboratory or PHYS 376L Research Methods Laboratory	3
PHYS 496 Senior Thesis	3
General Elective	3
General Elective	3
General Elective	3
TOTAL	15

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