

College of Southern Maryland & West Virginia University

Associate of Science in Mathematics & Sciences (Physics) leading to

Bachelor of Science in Physics (WVU-BS)

Suggested Plan of Study



| College of Southern Maryland | Hours | WVU Equivalents | Hours |
|--|-------|--------------------------------|-------|
| Year One, 1st Semester | | | |
| ENG 1010 | 3 | ENGL 101 | 3 |
| FYS 1010 | 3 | WVUE 191 | 3 |
| MTH 1200 | 4 | MATH 155 | 4 |
| CHE 1200 + 1200L | 4 | CHEM 115 & CHEM 115L | 4 |
| Social / Behavioral Sciences | 3 | Social / Behavioral Sciences | 3 |
| TOTAL | 17 | | 17 |
| Year One, 2nd Semester | | | |
| CHE 1210 + 1210L | 4 | CHEM 116 & CHEM 116L | 4 |
| PHY 1310 | 4 | PHYS 1TC | 4 |
| MTH 1210 | 4 | MATH 156 | 4 |
| Social / Behavioral Sciences | 3 | Social / Behavioral Sciences | 3 |
| TOTAL | 15 | | 15 |
| Year Two, 1st Semester | | | |
| PHY 2300 | 4 | PHYS 111 & PHY 111L | 4 |
| MTH 2200 | 4 | MATH 251 | 4 |
| ENG 1020 | 3 | ENGL 101 | 3 |
| Art / Humanities Elective | 3 | Art / Humanities Elective | 3 |
| TOTAL | 14 | | 14 |
| Year Two, 2nd Semester | | | |
| PHY 2320 | 4 | PHYS 112 & PHY 112L | 4 |
| MTH 2210 | 4 | MATH 261 | 4 |
| MTH 2220 | 4 | MATH 343 + 2TC (Math Elective) | 4 |
| Art / Humanities Elective | 3 | Art / Humanities Elective | 3 |
| TOTAL | 15 | | 15 |

| 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-Level | 3 | PHYS 332 or Elective | 3 |
| Elective or Minor Course (1) | 3 | Elective or Minor Course (2) | 3 |
| Elective | 3 | Elective | 3 |
| TOTAL | 15 | TOTAL | 16 |
| Year Four, 1 st Semester | | Year Four, 2 nd Semester | |
| PHYS 341L | 2 | PHYS 461 | 3 |
| PHYS 451 | 3 | PHYS 496 | 3 |
| PHYS 334 or Elective | 3 | PHYS 342L | 2 |
| Elective or Minor Course (3) | 3 | Elective or Minor Course (5) | 3 |
| Elective or Minor Course (4) | 3 | Elective | 3 |
| 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 Area of Emphasis.

Students completing degrees in WVU's Eberly College of Arts and Sciences are encouraged to work with their advisors to integrate completion of an academic minor or minors into their programs of study, to the degree allowed within elective hours. 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. Students may begin completion of a minor by utilizing elective credit to take courses at CSMD equivalent to minor required courses at WVU. CSM student can begin their minor by taking introductory level courses equivalent to their minor's required courses in their first two years.

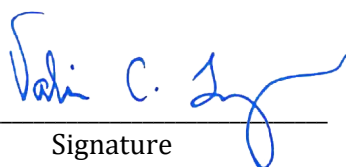
Students transferring to West Virginia University with an Associate of Arts or Associate of Science degree will have satisfied the General Education Foundation requirements at WVU.

Students who have questions about admission into their intended program, GEF requirements, minors, 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 College of Southern Maryland is approved by the Dean, or the Dean's designee, and effective the date of the signature.

Valérie Lastinger

Print Name



Signature

11/28/2022

Date

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

Laura Polk


Laura Polk (Dec 19, 2022 09:33 EST)

2022-2023

Dean, School of Science and Health

Dec 19, 2022