

# College of Southern Maryland & West Virginia University

Associate of Science in Physical Sciences: Chemistry A.S. leading to  
Bachelor of Science in Chemistry B.S.  
Suggested Plan of Study



College of Southern Maryland	Hours	WVU Equivalents	Hours
Year One, 1 <sup>st</sup> Semester			
ENG 1010	3	ENGL 101	3
FYS 1010	3	WVUE 1TC	3
CHE 1200 & CHE 1200L	4	CHEM 115 & CHEM 115L (Required)	4
MTH 1200	4	MATH 155 (Required)	4
<b>TOTAL</b>	14		14
Year One, 2 <sup>nd</sup> Semester			
ENG 1020	3	ENGL 102	3
CHE 1210 & CHE 1210L	4	CHEM 116 & CHEM 116L (Required)	4
MTH 1210	4	MATH 156 (Required)	4
PHY 1310	4	PHYS 1TC	4
<b>TOTAL</b>	15		15
Year Two, 1 <sup>st</sup> Semester			
BIO 1060 & BIO 1060L	4	BIOL 115 & BIOL 115L (Science Pair 1)	4
CHEM 2200 & 2200L	4	CHEM 233 & CHEM 233L (Required)	4
PHY 2300	4	PHYS 111 & PHYS 111L (Required; STEM Foundation)	4
MTH 2200	4	MATH 251	4
<b>TOTAL</b>	16		16
Year Two, 2 <sup>nd</sup> Semester			
CHEM 2210 & 2210L	4	CHEM 234 & CHEM 234L (Required)	4
Arts/Humanities	3	Elective	3
PSY 1010	4	PSYC 101	4
SOC 1010	3	SOC 101	3
Elective	2	Elective	2
<b>TOTAL</b>	16		16
Summer Session (CSMD or WVU)		*PHY 2320 or PHYS 112 & PHYS 112L (Required; STEM Foundation)	4

West Virginia University			
Year Three, 1 <sup>st</sup> Semester		Year Three, 2 <sup>nd</sup> Semester	
CHEM 215 & CHEM 215L	4	CHEM 322	3
Focus Area Course <sup>(1)</sup>	3	BIOL 117 & BIOL 117L <sup>(Science Pair 1)</sup>	4
EDG 1: Data and Society	3	Focus Area Course <sup>(2)</sup>	4
EDG 2: Effective and Civil Communication	3	Upper-Division CHEM Elective <sup>(1)</sup>	3
		EDG 3: Ethics and Civil Responsibility	3
<b>TOTAL</b>	<b>13</b>	<b>TOTAL</b>	<b>17</b>
Year Four, 1 <sup>st</sup> Semester		Year Four, 2 <sup>nd</sup> Semester	
Upper-Division CHEM Elective <sup>(2)</sup>	3	CHEM 402 <sup>(Capstone)</sup>	3
Focus Area Course <sup>(3)</sup>	4	Upper-Division CHEM Elective <sup>(3)</sup>	3
EDG 4: Global and Regional Perspectives	3	EDG 6: High Impact Experience	3
ARSC 380 <sup>(EDG 5)</sup>	3	Elective	3
Elective	3	Elective	2
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>14</b>

\*To complete the Physical Chemistry requirements in a 4-year time frame, students must have completed the PHY 2200 + 2200L & 2210 + 2210L (WVU PHYS 111/L & 112/L) progression prior to their first semester at West Virginia University.

Students must complete both CHE 1200/CHE 1200L & CHE 1210/ CHE 1210L with a grade of C- or better to be admitted to the Chemistry program when transferring to WVU.

CHEM 191 is recommended by the Chemistry department as a helpful addition.

Students will be allowed to select an area of focus while at WVU:

- Chemistry & Health
- Chemistry & the Environment
- ACS Certified Chemist

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 \_\_\_\_\_ 05/06/2026  
 Print Name Signature Date  
 Valerie Lastinger Ph.D. Associate Dean for WVU's Eberly College of Arts & Sciences