

# Frederick Community College & West Virginia University

Chemistry Area of Concentration within STEM A.S. (Transfer) leading to

Bachelor of Science in Chemistry B.S.

Suggested Plan of Study



Frederick Community College	Hours	WVU Equivalents	Hours
Year One, 1 <sup>st</sup> Semester			
ENGL 101	3	ENGL 101	3
CHEM 101	4	CHEM 115 & CHEM 115L (B.S. Area 1-1)	4
MATH 185	4	MATH 155 (B.S. Area 2-1)	4
Humanities Elective (Gen Ed)	3	Elective	3
Physical Education, Health, or Nutrition Requirement	1 or 3	Elective	1 or 3
<b>TOTAL</b>	15 or 17		15 or 17
Year One, 2 <sup>nd</sup> Semester			
CHEM 102	4	CHEM 116 & CHEM 116L (B.S. Area 1-2)	4
BSCI 150	4	BIOL 115 & BIOL 115L	4
Social & Behavioral Sciences Elective (Gen Ed)	3	Elective	3
MATH 195	4	MATH 156 (B.S. Area 2-2)	4
<b>TOTAL</b>	15		15
Year Two, 1 <sup>st</sup> Semester			
PHYS 151	4	PHYS 111 & PHYS 111L (B.S. Area 3-1/Required)	4
ENGL 102 (Communication Elective Gen Ed)	3	ENGL 102 (Required)	3
Social & Behavioral Sciences Elective (Gen Ed - in a different discipline from first)	3	Elective	3
CHEM 201	4	CHEM 233 & CHEM 233L	4
Arts Elective (Gen Ed)	3	Elective	3
<b>TOTAL</b>	17		17
Year Two, 2 <sup>nd</sup> Semester			
PHYS 252 (Elective in consultation with an advisor)	4	PHYS 112 & PHYS 112L (B.S. Area 3-2/ Required)	4
General Education Elective	3	Elective	3
MATH 285 (Elective in consultation with an Advisor)	4	MATH 251 (Required)	4
CHEM 202	4	CHEM 234 & CHEM 234L	4
<b>TOTAL</b>	15		15

West Virginia University			
Year Three, 1 <sup>st</sup> Semester		Year Three, 2 <sup>nd</sup> Semester	
CHEM 215 & CHEM 215L	4	AGBI 410	3
CHEM 335 & CHEM 335L	4	CHEM 322	3
CHEM 341 & CHEM 341L	4	CHEM 348	3
General Elective or Minor Course <sup>(1)</sup>	3	CHEM 348L	2
General Elective	1	General Elective Minor Course <sup>(2)</sup>	3
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>14</b>
Year Four, 1 <sup>st</sup> Semester		Year Four, 2 <sup>nd</sup> Semester	
CHEM 402 <sup>(Capstone)</sup>	3	CHEM 310 & CHEM 310L <sup>(Spring Only)</sup>	4
CHEM 422 <sup>(Fall Only)</sup>	3	Chemistry Elective <sup>(2)</sup>	3
CHEM 422L <sup>(Fall Only)</sup>	2	General Elective or Minor Course <sup>(4)</sup>	3
CHEM Elective <sup>(1)</sup>	3	General Elective or Minor Course <sup>(5)</sup>	3
General Elective Minor Course <sup>(3)</sup>	3	General Elective	3
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>16</b>

Students transferring from another institution are admitted into the major if they have completed CHEM 115, CHEM 115L (CHEM 101), CHEM 116, and CHEM 116L (CHEM 102) with a grade of C- or better in each and have earned a minimum overall GPA of 2.0.

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

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 FCC equivalent to minor required courses 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 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 Frederick Community College, is approved by the Dean, or the Dean's designee, and effective the date of the signature.

Valérie Lastinger



9/11/24

Print Name

Signature

Date

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