

Columbus State Community College & West Virginia University

Associate of Science - Biology A.S. leading to
Bachelor of Science in Biochemistry B.S.
Suggested Plan of Study

COLUMBUS STATE
COMMUNITY COLLEGE



Columbus State Community College	Hours	WVU Equivalents	Hours
Year One, 1 st Semester			
ENGL 1100 or ENGL 1101	3	ENGL 101	3
CHEM 1171	5	CHEM 115 & CHEM 115L + CHEM 1TC	5
COLS 1100	1	WVUE 191	1
BIOL 1113	4	BIOL 115 & BIOL 115L	4
MATH 1151	5	MATH 155 + MATH 1TC	5
TOTAL	18		18
Year One, 2 nd Semester			
CHEM 1172	5	CHEM 116 & CHEM 116L + CHEM 1TC	5
BIO 1114	4	BIOL 117 & BIOL 117L	4
ENGL 2367 or ENGL 2457 or ENGL 2567 or ENGL 2667 or ENGL 2767	3	ENGL 102	3
MATH 1152	5	MATH 156 + MATH 1TC	5
TOTAL	17		17
Year Two, 1 st Semester			
CHEM 2251	5	CHEM 233 + CHEM 2TC	5
CHEM 2254	3	CHEM 233L + CHEM 2TC	3
Literature/Cultures and Ideas/Visual and Performing Arts	3	Literature/Cultures and Ideas/Visual and Performing Arts Elective	3
*Social & Behavioral Science Elective	3	*Social & Behavioral Science Elective	3
*Historical Study Elective	3	*Historical Study Elective	3
TOTAL	17		17
Year Two, 2 nd Semester			
CHEM 2252	5	CHEM 234 + CHEM 2TC	5
CHEM 2255	3	CHEM 234L + CHEM 2TC	3
*Social & Behavioral Science Elective	3	*Social & Behavioral Science Elective	3
PHYS 1250	5	PHYS 111 & PHYS 111L + PHYS 1TC	5
TOTAL	16		16
*Full list of course options: https://www.csc.edu/academics/transfer/degrees.shtml			

West Virginia University

American Chemical Society (ACS) Track

Year Three, 1 st Semester		Year Three, 2 nd Semester	
BIOL 219 & BIOL 219L	4	BIOL 310	3
PHYS 112 & PHYS 112L	4	CHEM 341 & CHEM 341L	4
CHEM 215 & CHEM 215L	4	CHEM 462 & CHEM 462L	4
AGBI 410 & AGBI 410L	4	STAT 211	3
TOTAL	16	TOTAL	14
Year Four, 1 st Semester		Year Four, 2 nd Semester	
CHEM 497	1	CHEM 497	2
CHEM 322	3	CHEM 310 & 310L	4
Biochemistry Elective (1)	4	CHEM 402	2
Biochemistry Elective (2)	4	Biochemistry Elective (3)	4
TOTAL	12	TOTAL	12

American Society of Biochemistry and Molecular Biology (ASBMB) Track

Year Three, 1 st Semester		Year Three, 2 nd Semester	
PHYS 102 & PHYS 102L or PHYS 112 & PHYS 112L	4	BIOL 313 or BIOL 410	3
CHEM 215 & CHEM 215L	4	BIOL 310	3
BIOL 219 & BIOL 219L	4	CHEM 462 & CHEM 462L	4
AGBI 410 & AGBI 410L	4	Biochemistry Elective (1)	3
TOTAL	16	TOTAL	13
Year Four, 1 st Semester		Year Four, 2 nd Semester	
BIOL 423	3	CHEM 341 & CHEM 341L	4
Biochemistry Elective (2)	4	Biochemistry Elective (3)	4
STAT 211	2	Biochemistry Elective (4)	3
AGBI 386 and AGBI 486 or AGBI 403	0-3**	AGBI 386 and AGBI 486 or AGBI 403	1-3**
General Elective	0-3**		
TOTAL	12	TOTAL	12-14

*Students must earn a minimum grade of C- in MATH 1151, MATH 1152, BIOL 1113 (WVU: MATH 155, MATH 156, BIOL 115 & BIOL 115L and STAT 211.)

**Students who seek to pursue to the American Chemical Society track are required to take PHYS 111, or its equivalent through Columbus State, prior to the first fall semester at West Virginia University. This allows for students to maintain progression through Physical Chemistry courses, and their subsequent courses in their senior year. Those students seeking the American Society of Biochemistry and Molecular Biology track can forgo this requirement and take their Physics courses as listed in the spring of their 3rd year.

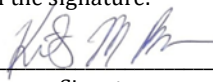
** The capstone requirement for the American Society of Biochemistry and Molecular Biology track requires that student take Undergraduate Research Experience 1 and 2, AGBI 386 and 486 in subsequent semesters for a total of 3 credit hours, or students may choose to take AGBI 403 Applied Biochemistry Literature for 3 credit hours. Students should work with their advisor to identify their best course of action and ensure that credit hours in a particular semester are adequate for financial aid purposes.

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 regarding this articulation agreement or the transferability of coursework may contact the WVU Office of the University Registrar. All other questions should be directed to the WVU Office of Admissions.

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

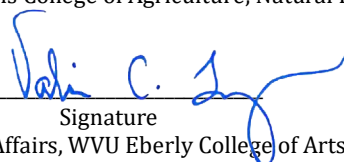
Kimberly Barnes
Print Name


Signature

9-13-2023
Date

Kimberly Barnes Ph.D. Associate Dean for WVU's Davis College of Agriculture, Natural Resources and Design

Valérie Lastinger
Print Name


Signature

9/26/2023
Date

Valerie Lastinger Ph. D. Associate Dean of Academic Affairs, WVU Eberly College of Arts & Sciences