

Columbus State Community College & West Virginia University

Associate of Science leading to Bachelor of Science in Biochemistry (WVU- BS) Suggested Plan of Study

Columbus State Community College	Cr Hrs	WVU Equivalents	Cr Hrs
Year One, 1 st Semester			
ENGL 1100 or ENGL 1101	3	ENGL 101	3
MATH 1151	5	MATH 155	5
CHEM 1171	5	CHEM 115	5
*SOCIAL & BEHAVIORAL SCIENCE	3	GEF 4	3
COLS 1100 OR 1101	1	ORIN 000	1
TOTAL	17		17
Year One, 2 nd Semester			
ENGL 2367	3	ENGL 102	3
MATH 1152	5	MATH 156	5
CHEM 1172	5	CHEM 116	5
*HISTORICAL STUDY	3	GEF 5	3
TOTAL	16		16
Year Two, 1 st Semester			
CHEM 2251	5	CHEM 233	5
CHEM 2254	3	CHEM 235	3
BIOL 1113	4	BIOL 115	4
*VISUAL/PERFORMING ARTS	3	GEF 6	3
TOTAL	15		15
Year Two, 2 nd Semester			
CHEM 2252	5	CHEM 234	5
CHEM 2255	3	CHEM 236	3
BIO 1114	4	BIOL 117	4
*SOCIAL & BEHAVIORAL SCIENCE	3	GEF 7	3
TOTAL	15		15

*Course options listed at:

<http://www.cscce.edu/academics/transfer/aa-requirements.shtm>

COLUMBUS STATE OR WEST VIRGINIA UNIVERSITY

Summer Session	**PHYS 1250 OR **PHYS 111	5/4
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WEST VIRGINIA UNIVERSITY

American Chemical Society Track

Year Three, 1 st Semester		Year Three, 2 nd Semester	
BIOL 219	4	BIOL 310	3
PHYS 112	4	CHEM 341 & 342	4
CHEM 215	4	CHEM 462 & 464	4
AGBI 410 & 412	4	STAT 211	3
TOTAL	16	TOTAL	14
Year Four, 1 st Semester		Year Four, 2 nd Semester	
CHEM 401	1	CHEM 310	3
CHEM 422	3	CHEM 403	1
CHEM 497	3	BIOCHEM ELECTIVE	3
BIOCHEM ELECTIVE	3	BIOCHEM ELECTIVE	3
BIOCHEM ELECTIVE	3		
TOTAL	13	TOTAL	14

American Society of Biochemistry and Molecular Biology Track

Year Three, 1 st Semester		Year Three, 2 nd Semester	
AGBI 410 & 412	4	PHYS 101	4
CHEM 215	4	BIOL 310	3
BIOL 219	4	CHEM 462 & 464	4
STAT 211	3	BIOCHEM ELECTIVE	3
TOTAL	15	TOTAL	14
Year Four, 1 st Semester		Year Four, 2 nd Semester	
BIOL 423	3	AGBI 401	1
BIOCHEM ELECTIVE	4	CHEM 341 & 342	4
BIOCHEM ELECTIVE	3	BIOL 313 OR 410	3
PHYS 102	4	BIOCHEM ELECTIVE	4
		BIOCHEM CAPSTONE	3
TOTAL	14	TOTAL	15

**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 WVU General Education Foundations curriculum (GEF) includes eight areas (F1-F8). F1 (Composition and Rhetoric), F2 (Science & Technology), and F3 (Mathematics & Quantitative Skills) are specified above. These 3 Areas will be fulfilled by General Education requirements at Columbus State. Students must also complete 3 credit hours from each of the GEF Areas 4 through 7, and are encouraged to study the provided GEF chart to select electives that satisfy these requirements. By using the suggested plan of study above, students are able to fulfill this requirement prior to graduation from Columbus State. Students not completing this requirement at CSCC will need to utilize ELECTIVE credit at WVU to do so.

The WVU GEF curriculum also includes 9 credits (normally 3 three-credit courses) of Focus coursework (F8), to help students capitalize on the range and diversity of courses offered at WVU. In order to maximize connections, incorporate additional competencies, and encourage true breadth of study, students must fulfill the Focus through completion of one of the following academic paths: (a) completion of a minor; (b) completion of a double major or dual degree, or (c) completion of 9 credits of additional coursework from the list of courses approved for GEF Areas F1 through F7. Columbus State students will fulfill this requirement with successful completion of MATH 1152 and CHEM 1172.

Students who have questions about GEF requirements 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 Columbus State Community College, is approved by the Dean, or the Dean's designee, and effective the date of the signature.

Print Name	Signature	Date
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J. Todd Petty Ph.D. Associate Dean for WVU's Agriculture and Natural Resources

Print Name	Signature	Date
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Joan Gorham Ph. D. Associate Dean of Academic Affairs, WVU Eberly College of Arts and Sciences