

Lord Fairfax Community College & West Virginia University

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

Lord Fairfax	Cr Hrs	WVU Equivalent	Cr Hrs
Year One, 1st Semester			
ENG 111	3	ENGL 101	3
CHM 111	4	CHEM 115	4
MTH 173	5	MATH 155	5
SDV 100	1	ORIN 1TC	1
BIO 101	4	BIOL 115	4
TOTAL	17		17
Year One, 2nd Semester			
ENG 112	3	ENGL 102	3
CHM 112	4	CHEM 116	4
MTH 174	5	MATH 156	4
BIO 102	4	BIOL 117	4
TOTAL	16		16
Year Two, 1st Semester			
ITE 115	3	CS 1TC	3
MTH 240	3	STAT 211	3
PED/HLT	1	PE 1TC	1
BIO 206	4	BIOL 219	4
CHM 241+245	5	CHEM 233+235	5
TOTAL	16		16
Year Two, 2nd Semester			
CHM 242+246	5	CHEM 234+236	5
ENG LIT ELECTIVE	3	GEF 6	3
SOCIAL SCI ELECTIVE	3	GEF 4	3
HIS ELECTIVE	3	GEF 5/7	3
SOCIAL SCI ELECTIVE	3	GEF 5/7	3
TOTAL	17		17

LORD FAIRFAX OR WEST VIRGINIA UNIVERSITY

Summer Session	**PHY 241 OR **PHYS 111	4
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WEST VIRGINIA UNIVERSITY**American Chemical Society Track**

Year Three, 1 st Semester		Year Three, 2 nd Semester	
PHYS 112	4	BIOL 310	3
CHEM 215	4	CHEM 341 & 342	4
AGBI 410 & 412	4	CHEM 462 & 464	4
BIOCHEM ELECTIVE	3	ELECTIVE	1
TOTAL	15	TOTAL	12
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
ELECTIVE	1	ELECTIVE	2
TOTAL	12	TOTAL	12

American Society of Biochemistry and Molecular Biology Track

Year Three, 1 st Semester		Year Three, 2 nd Semester	
AGBI 410 & 412	4	PHYS 102	4
CHEM 215	4	BIOL 310	3
PHYS 101	4	CHEM 462 & 464	4
ELECTIVE	1	BIOCHEM ELECTIVE	3
TOTAL	13	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
BIOCHEM ELECTIVE	4	BIOCHEM CAPSTONE	3
		ELECTIVE	2
TOTAL	14	TOTAL	13

Biochemistry BS

**Students who seek to pursue to the American Chemical Society track are required to take PHYS 111, or its equivalent through Lord Fairfax, 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 Lord Fairfax. 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 Lord Fairfax. Students not completing this requirement at LFCC 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. Lord Fairfax students will fulfill this requirement with successful completion of CHM 111, BIO 102 and CHM 112.

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.