

# Lord Fairfax Community College & West Virginia University

## Associate of Science leading to Bachelor of Arts in Physics (WVU- BS) Suggested Plan of Study

Lord Fairfax	Cr Hrs	WVU Equivalent	Cr Hrs
<b>Year One, 1<sup>st</sup> Semester</b>			
ENG 111	3	ENGL 101	3
ITE 115	3	CS 1TC	3
MTH 173	5	MATH 155	5
SDV 100	1	ORIN 1TC	1
*SCIENCE W/LAB	4	*SCIENCE REQUIREMENT BS 1-1	4
TOTAL	16		16
<b>Year One, 2<sup>nd</sup> Semester</b>			
ENG 112	3	ENGL 102	3
MTH 174	5	MATH 156	5
HIS ELECTIVE	3	GEF 5/7	3
*SCIENCE W/LAB	4	*SCIENCE REQUIREMENT BS 1-2	4
TOTAL	15		15
<b>Year Two, 1<sup>st</sup> Semester</b>			
ENG LIT ELECTIVE	3	GEF 6	3
SOCIAL SCI ELECTIVE	3	GEF 5/7	3
MTH 277	4	MATH 251	4
PHY 241	4	PHYS 111	4
ELECTIVE	1	ELECTIVE	1
TOTAL	15		15
<b>Year Two, 2<sup>nd</sup> Semester</b>			
SOCIAL SCI ELECTIVE	3	ELECTIVE	3
HUM/FINE ARTS ELECTIVE	3	ELECTIVE	3
CST 110	3	CSAD 270	3
PHY 242	4	PHYS 112	4
PED/HLT	1	PE 1TC	1
TOTAL	14		14

<b><u>WEST VIRGINIA UNIVERSITY</u></b>			
<b>Year Three, 1<sup>st</sup> Semester</b>		<b>Year Three, 2<sup>nd</sup> Semester</b>	
MATH 261	4	PHYS 212	3
PHYS 331	3	PHYS 314	4
PHYS 333	3	PHYS ELECTIVE	3
ELECTIVE	3	ELECTIVE	3
ELECTIVE	1	ELECTIVE	3
TOTAL	14	TOTAL	16
<b>Year Four, 1<sup>st</sup> Semester</b>		<b>Year Four, 2<sup>nd</sup> Semester</b>	
PHYS 341	2	PHYS 341	2
PHYS ELECTIVE	3	PHYS 496	3
MATH ELECTIVE	4	PHYS ELECTIVE	3
ELECTIVE	3	ELECTIVE	3
ELECTIVE	3	ELECTIVE	3
		ELECTIVE	1
TOTAL	15	TOTAL	15

Students must have a 2.2 GPA in Math and Physics courses in order to be admitted directly into the Physics program upon transferring to West Virginia University.

\*Students should choose corresponding Lab Science courses that complete the WVU Eberly College of Arts and Sciences Bachelor of Science requirements (i.e. CHM 111 & 112 and BIO 101 & 102).

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 the Bachelor of Science requirements.

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. Lord Fairfax students may begin completion of certain minors at LFCC by utilizing ELECTIVE hours to take courses equivalent to the minor's introductory requirements at WVU.

Students who have questions about admission into their intended program, Bachelor of Science requirements, GEF requirements, GEF Focus courses, minors, or any other issue relating to academics at West Virginia University should contact the Office of Undergraduate Education at WVU.