

# Lock Haven University & West Virginia University

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

Lock Haven University	Cr Hrs	WVU Equivalents	Cr Hrs
<b>Year One, 1<sup>st</sup> Semester</b>			
CHEM 120	4	CHEM 115	4
MATH 141	3	MATH 000	3
PHYS 105	3	PHYS 000	3
SCI 119	1	ENGR 000	1
ENGL 100	3	ENGL 101	3
PHIL/LIT/AESTHETIC INQUIRY	3	GEC 5	3
TOTAL	17	TOTAL	17
<b>Year One, 2<sup>nd</sup> Semester</b>			
CHEM 121	4	CHEM 116	4
MATH 142	3	MATH 000	3
PHYS 170	4	PHYS 111	4
HIST/BEHAVE/SOC SCI INQUIRY	3	GEC 6	3
GLOBAL AWARENESS AND CITIZENSHIP	3	GEC 7	3
TOTAL	17	TOTAL	17
<b>Year Two, 1st Semester</b>			
MATH 243	3	MATH 000	3
MATH 211	3	MATH 000	3
PHYS 171	4	PHYS 112	4
COMP 160	3	CS 000	3
GLOBAL AWARENESS AND CITIZENSHIP	3	GEC 9	3
TOTAL	16	TOTAL	16
<b>Year Two, 2<sup>nd</sup> Semester</b>			
MATH 244	3	MATH 000	3
PHYS 290	4	EE 221+222	4
PHYS 330	3	PHYS 331	3
GENERAL EDUCATION	3	ELECTIVE	3
GENERAL EDUCATION*	3		
GENERAL EDUCATION	3	ELECTIVE	3

TOTAL	19	TOTAL	16
<b>Year Three, 1<sup>st</sup> Semester</b>			
MATH 301	3	MATH 000	3
PHYS 315	4	PHYS 314	4
PHYS 331	3	PHYS 332	3
PHYS 370	3	PHYS 333	3
HIST/BEHAVE/SOC SCI INQUIRY	3	GEC 3	3
TOTAL	16	TOTAL	16
<b>Year Three, 2<sup>nd</sup> Semester</b>			
PHYS 250	3	MAE 320	3
PHYS 345	2	PHYS 000	2
PHYS 350	3	PHYS 451	3
MATH 312	3	STAT 215	3
GENERAL EDUCATION*	3		
GENERAL EDUCATION*	3		
		ENGR 102 –WVU ONLINE	3
TOTAL	17	TOTAL	16

## **WEST VIRGINIA UNIVERSITY**

Summer Session 1		Summer Session 2	
MAE 241	3	MAE 242	3
<b>Year Four, 1<sup>st</sup> Semester</b>			
MAE 211	3	MAE 316	3
MAE 342	3	MAE 321	3
MAE 243	3	MAE 322	1
MAE 244	1	MAE 343	3
MATH 261	4	IENG 320/303	3
ENGL 102	3	MAE 331	3
TOTAL	17	TOTAL	16
<b>Year Five, 1<sup>st</sup> Semester</b>		<b>Year Five, 2<sup>nd</sup> Semester</b>	
MAE 454	3	MAE 411	3
MAE 456	3	MAE 423	3

MAE 471	3	MAE 460	3
TECHNICAL ELECTIVE	3	ECON 202	3
ECON 201	3		
TOTAL	15	TOTAL	12

\*This General Education class at LHU can be taken during the summer sessions at LHU or may be transferred to LHU from another institution including classes taken at WVU after the transfer,

Students wishing to transfer into the Mechanical Engineering program must have a GPA of at least 2.25 in all college work attempted, and a C or better in all MATH courses.

Although transferred as open credit, LHU's MATH 141, 142, 243 and 244 will be utilized to satisfy the MATH 155, 156 and 251 requirements at WVU.

LHU students transferring in with more than 28 credit hours are exempt from the ENGR 199 requirement.

ENGR 101 will be met by an upper division PHYS course, per Statler College transfer policy.

ENGR 102 must be taken as a transient course online in order to avoid any pre-requisite issues.

Completion of LHU's General Education requirements will be applied to WVU's General Education Curriculum areas 3,5,6,7, and 9. Areas 4 and 8 will be satisfied by ECON 201 and 202.

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

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Print Name

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Signature

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Date