

Le Moyne College Physics Major, typical B.S. program (as of 2016-17 Academic Year) Revised 4-20-17		CREDIT	FIRST-YEAR		SOPHOMORE		JUNIOR		SENIOR	
			F	S	F	S	F	S	F	S
			MAJOR REQUIREMENTS							
PHYSICS										
PHY 105	General Physics I (calc.)	3	3							
PHY 103	General Physics Lab I	1	1							
PHY 106	General Physics II (calc.)	3		3						
PHY 104	General Physics Lab II	1		1						
PHY 201	Fields and Waves	3			3					
PHY 203	Foundations of Modern Physics	3				3				
PHY 231	Foundations Lab	1				1				
PHY 303	Classical Electr/magn Theory I	3							3	
PHY 321	Analytical Mechanics I	3				3				
PHY 331	Atomic & Nuclear Physics Lab	1					1			
PHY 311	Electronics I	4			4					
PHY 333	Computational Physics	3						3		
PHY 307	Quantum Mechanics I	3					3			
PHY 308	Quantum Mechanics II	3						3		
PHY 405	Statistical Physics	3								3
PHY 431	Advanced Physics Lab	1						1		
PHY 476	Physics Capstone	3							3	
MAJOR SUPPORT										
MATHEMATICS										
MTH 145	Calculus I	4	4							
MTH 146	Calculus II	4		4						
MTH 245	Calculus III	4			4					
MTH 304	Differential Equations Sci-Eng	4				4				
OTHER SCIENCES										
CHM 151	Chemical Principles I	4					4			
CORE REQUIREMENTS										
ENGLISH/SOC SCI/HIST/RELIG/PHILOS										
COR 100	First Year Seminar	3	3							
WRT 101	Critical Writing	3	3							
HST 110	World Civilization I	3	3							
HST 111	World Civilization II	3		3						
PHL 110	Introduction to Philosophy	3		3						
PHL 210	Moral Philosophy	3			3					
EAC 1	Encountering Another Culture/	3			3					
EAC 2	Foreign Language	3				3				
ENG 210	Major Authors	3				3				
ENG 310	Literature & Culture	3					3			
IDS	Interdiscip. NatSci/SocSci/Math	3					3			
THE	Theology	3						3		
REL	Religious Studies	3							3	
(SOC)	Social Science	3								3
COR 400	Senior Seminar: Transformations	3								3
VPA	Visual & Performing Arts	1								1
DIV	Diversity	0								
ELECTIVES										
Elective I	Major Elective	3							3	
Elective II	Major Elective	3								3
Elective III	Technical Elective*	3					3			
Elective IV		3					3			
Elective V										
TOTAL CREDITS		120	17	14	17	17	14	16	12	13

0

* See list of approved technical electives

PHY 3XX/4XX courses, except PHY 311, 331, 431, & 476, are offered in alternate years, so students graduating in odd-numbered years follow a program with the 3rd and 4th years of PHY courses interchanged.