

CURRICULUM MAP



MERRIMACK COLLEGE

Physics, BA

YEAR ONE

FALL

Physics I – PHY 2211	4 credits	Major Requirement
Calculus I – MTH 1217	4 credits	Major Requirement/ General Education Requirement
First Year Experience – FYE 1050	1 credit	General Education Requirement
Intro to College Writing – ENG 1050	4 credits	General Education Requirement
Intro to Philosophy – PHL 1000 level	4 credits	General Education Requirement
Total Credits – 17		

SPRING

Physics II – PHY 2212	4 credits	Major Requirement
Calculus II – MTH 1218	4 credits	Major Requirement/ General Education Requirement
Intro to Religion – RTS1000	4 credits	General Education Requirement
1 of the following (4 credits):		
• Problem Solving with Java – CSC 1610	4 credits	Major Requirement
• Problem Solving with Python – CSC 1611	4 credits	Major Requirement
Total Credits – 16		

YEAR TWO

FALL

Intro to Quantum – PHY 2241	4 credits	Major Requirement
Calculus III – MTH 2219	4 credits	Major Requirement
General Education Elective	4 credits	General Education Requirement
General Education Elective	4 credits	General Education Requirement
Total Credits – 16		

SPRING

Major Elective – PHY 3000 or Higher	4 credits	Major Requirement
Differential Equations – MTH 2220	4 credits	Major Requirement
General Education Elective	4 credits	General Education Requirement
Open Elective	4 credits	Open Elective
Total Credits – 16		

YEAR THREE

FALL

Major Elective – Additional PHY/STEM	4 credits	Major Requirement
General Education Elective	4 credits	General Education Requirement
General Education Elective	4 credits	General Education Requirement

Open Elective 4 credits Open Elective

Total Credits – 16

SPRING

Major Elective – Additional PHY/STEM	4 credits	Major Requirement
General Education Elective	4 credits	General Education Requirement
General Education Elective	4 credits	General Education Requirement
Open Elective	4 credits	Open Elective

Total Credits – 16

YEAR FOUR

FALL

Major Elective – Additional PHY/STEM	4 credits	Major Requirement
General Education Elective	4 credits	General Education Requirement
General Education Elective	4 credits	General Education Requirement
Open Elective	4 credits	Open Elective

Total Credits – 16

SPRING

Major Elective – Additional PHY/STEM	4 credits	Major Requirement
Open Elective	4 credits	Open Elective
Open Elective	4 credits	Open Elective

Total Credits – 12

Note: This is a sample curriculum map. Students may progress toward graduation using alternative pathways.