

# Physics (BS)

Nadine Gergel-Hackett

Mary Baldwin University offers a minor in Physics and a major in collaboration with our consortium school Washington & Lee University (W&L) in Lexington, Virginia.

A student pursuing the major is required to have a cumulative GPA of at least 3.3 and have an average GPA for at least 3 physics courses taken at Mary Baldwin of at least 3.7 prior to registering for any courses at W&L. The student is also expected to provide their own transportation to W&L.

**Department:** [Physics](#)

**Type:** Major

## Requirements for the Major in Physics

Electricity and Magnetism\*

Newtonian Mechanics\*

Quantum Mechanics\*

Mathematical Methods for Physics and Engineering\*

Modern Physics\*

Optics\*

*\*Courses offered at Washington & Lee University*

Item #	Title	Credits
PHYS 201	GENERAL PHYSICS I (NQ)	4
PHYS 202	GENERAL PHYSICS II	4
PHYS 207	ELECTRICAL CIRCUITS	4
PHYS 260	INTRODUCTION MATERIALS SCIENCE (R)	3
PHYS 321	PHYSICAL CHEMISTRY I	3
PHYS 400	SENIOR RESEARCH I (M)	2
PHYS 401	SENIOR PROJECT (M)	2

Additional courses required as prerequisites for completion of the above include:

Item #	Title	Credits
MATH 211	INTRO CALC/ANALYTIC GEOMETRY I (Q)	4
MATH 212	INTRO CALC/ANALYTIC GEOMETRY II (Q)	4
MATH 306	ORDINARY DIFFERENTIAL EQUATIONS (Q)	3
CHEM 121	GENERAL CHEMISTRY I (NQ)	4
CHEM 122	GENERAL CHEMISTRY II (Q)	4
<b>Total credits:</b>		<b>41</b>