

Requirements for a B.A. in Physics: ~~54~~ 55 units

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Required Lower-Division Courses: 35 units

PHY 021, 023 General Physics I, II (4,4)
PHY 022, 024 General Physics Laboratory I, II (1,1)
PHY 025 Modern Physics (4)
PHY 026 Modern Physics Laboratory (1)
PHY 040 Differential Equations and Linear Algebra (4)
MA 009, 010 Elementary Calculus I, II (4,4)
MA 019 Multivariable Calculus (4)
CS 010 Design and Implementation of Solutions to Computational Problems (4)
One four-unit Laboratory science class such as CHM 005 or BIO 005 (4)

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Required Upper-Division Courses: ~~19~~ 20 units

PHY 105 Computational Physics (2)
PHY 121 Quantum Mechanics I or PHY 150 Electricity and Magnetism (4)
PHY 131 Classical Mechanics or PHY 160 Thermodynamics (4)
PHY 170 Advanced Physics Lab (1)
PHY 195 Senior Seminar (1)
Two of the following: (8)
PHY 115 Mathematical Physics (4)
PHY 121 Quantum Mechanics I (4)
PHY 131 Classical Mechanics (4)
PHY 150 Electricity and Magnetism (4)
PHY 160 Thermodynamics (4)

Requirements for a B.S. in Physics: ~~67-68~~ 69-70 units

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Required Lower-Division Courses: 35 units

PHY 021, 023 General Physics I, II (4,4)
PHY 022, 024 General Physics Laboratory I, II (1,1)
PHY 025 Modern Physics (4)
PHY 026 Modern Physics Laboratory (1)
PHY 040 Differential Equations and Linear Algebra (4)
MA 009, 010 Elementary Calculus I, II (4,4)
MA 019 Multivariable Calculus (4)
CS 010 Design and Implementation of Solutions to Computational Problems (4)
One four-unit laboratory science class such as CHM 005 or BIO 005

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Required Upper-Division Courses: ~~32~~ 34-35 units

PHY 105 Computational Physics (2)
PHY 115 Mathematical Physics (4)
PHY 121, 122 Quantum Mechanics I, II (4,4)
PHY 131 Classical Mechanics (4)
PHY 150 Electricity and Magnetism (4)
PHY 160 Thermodynamics (4)

PHY 170 Advanced Physics Lab (1)
PHY 195 Senior Seminar (1)
PHY 198 Research (2)

One of the following (4-5):

PHY 142, 143 Circuits and Electronics, Laboratory (4,1)
PHY 151 Electromagnetic Waves and Optics (4)
PHY 152 Advanced Electricity and Magnetism (4)

One of the following: (1)

~~PHY 170 Advanced Physics Lab (1)~~
~~PHY 198 Physics Research (1-4)~~
~~PHY 199 Major Honors (4)~~

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Requirements for a Physics Minor: 23-24 units

Required Lower-Division Courses: 15 units

PHY 021, 023 General Physics I, II (4,4)
PHY 022, 024 General Physics Laboratory I, II (1,1)
PHY 025 Modern Physics (4)
PHY 026 Modern Physics Laboratory (1)

Two Required Upper-Division Courses from the following: 8-9 units

PHY 115 Mathematical Physics (4)
PHY 121 Quantum Mechanics I (4)
PHY 131 Classical Mechanics (4)
PHY 115 Mathematical Physics (4)
PHY 142, 143 Circuits and Electronics, Laboratory (4,1)
PHY 150 Electricity and Magnetism (4)
PHY 160 Thermodynamics (4)