

Physics major with math minor

* = Required

^ = one of two are required

Fall: First Semester
As much math as possible... (Physics projects, etc)

Winter: First year (2nd semester)
 *PH 220: Physics I (5 cr)

Fall: Second year (3rd semester)
 *PH 221: Physics II (5 cr)

Winter: Second year (4th semester)
 *PH 322: Modern Physics (4 cr)

Upper-level Physics

Fall: Even year
 ^PH 375: Analytical Mechanics (3 cr)
 PH 370: Mathematical Methods of Physics (3 cr)

Winter: Odd year
 PH 320: Physical Electronics (4 cr)
 PH 410: Introductory Quantum Mechanics (3 cr)

Fall: Odd year
 ^PH 380: Intermediate Electricity and Magnetism (3 cr)
 PH 393: Experiential Instrumentation and Analysis (4 cr)

Winter: Even year
 PH 330: Optics (4 cr)
 PH 360: Thermodynamics and Statistical Physics (3 cr)

Upper-level Physics

Fall: Odd year
 ^PH 380: Intermediate Electricity and Magnetism (3 cr)
 PH 393: Experiential Instrumentation and Analysis (4 cr)

Winter: Even year
 PH 330: Optics (4 cr)
 PH 360: Thermodynamics and Statistical Physics (3 cr)

Fall: Even year
 ^PH 375: Analytical Mechanics (3 cr)
 PH 370: Mathematical Methods of Physics (3 cr)

Winter: Odd year
 PH 320: Physical Electronics (4 cr)
 PH 410: Introductory Quantum Mechanics (3 cr)

Last year (fall or winter)
 *PH 480: Seminar (1 or 2 cr)
 *PH 485: Assessment (0 cr)

Cr	Required (Physics)
5	PH 220: Physics 1
5	PH 221: Physics 2
4	PH 322: Modern Physics
3	PH 375: Analytical Mechanics or PH 380: Intermediate Electricity & Magnetism
1-2	PH 480: Senior Physics Seminar
0	PH 485: Graduate Assessment for Physics Majors
17	Physics electives, e.g.: PH 370, 375, 380, 393, 410, CS330, Independent study/research

Cr	Required (Other)
5	CH 111: General Chemistry 1
5	CH 112: General Chemistry 2
4	MA 161: Calculus I
4	MA 163: Calculus II
3	MA 211: Intro. Matrix Theory and Linear Algebra
4	MA 265: Calculus III
3	MA 361: Differential Equations
3	Math elective