Flowchart for Core BS Physics Courses: No Emphasis, 2015-2016 Catalog

prerequisites indicated by arrows

This chart shows only the required core BS Physics courses and prerequisites. Additional courses are needed for graduation. Please consult the Undergraduate Catalog and meet with your advisor to craft a plan for degree completion. Course prerequisites and degree requirements are subject to change.

MATH 143 and MATH 144
Or appropriate placement exam score

CHEM 111/111L
General Chemistry I

CHEM 112/112L
General Chemistry II

MATH 301
Linear Algebra

MATH 170
Calculus I

MATH 75
Calculus II

MATH 275
Calculus III

PHYS 211/211L Physics I
w/Calculus & Lab

PHYS 309/309L Introductory Quantum Physics & Lab

PHYS 301 Analog & Digital Electronics
(Spring)

PHYS 325 Scientific Computing (Fall)

PHYS 412 Intermediate Quantum Mechanics (Fall)
MATH 301 Addl prereq

PHYS 432 Thermal Physics (Fall)

PHYS 311 Modern Physics (Spring)

PHYS ELECTIVE
from list
Prerequisites vary

PHYS 499 Senior Seminar (Spring)

PHYS 341 Mechanics (Spring)

PHYS 381 Electromagnetic Theory (Fall)

PHYS 302 Electrodynamics (Spring)