Flowchart for Core BS Physics Courses: Astrophysics 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
PHYS204 Planetary Astronomy (Fall)
PHYS205 Stellar Astronomy (Spring)
MATH 170 Calculus I
MATH 175 Calculus II
MATH 301 Linear Algebra
MATH 275 Calculus III
MATH 333 Differential Equations with Matrix Theory
PHYS 341 Mechanics (Spring)
PHYS 381 Electromagnetic Theory (Fall)
PHYS 382 Electrodynamics OR PHYS330/330L Optics (Spring)

PHYS 211/211L Physics I w/Calculus & Lab
MATH 170 Calculus I
PHYS 212/212L Physics II w/Calculus and Lab
MATH 175 Calculus II

PHYS 309/309L Introductory Quantum Physics & Lab
PHYS 405 Astrophysics (Fall)
PHYS 311 Modern Physics (Spring)

PHYS 325 Scientific Computing (Fall)
PHYS 301 Analog & Digital Electronics (Spring)
PHYS 432 Thermal Physics (Fall)

PHYS 406 Cosmology (Spring)
PHYS 499 Senior Seminar (Spring)

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