

# REQUIREMENTS FOR THE BA IN PHYSICS

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## General education requirements

Foreign language to second semester level

English Composition [placement by English Department]

General Education study areas other than science (science & math automatically satisfied)

[See the College of Science advising staff (Gould-Simpson 1017) for details]

Tier 1: four courses

Tier2: four courses

## Physics requirements

*One of the introductory sequences:*

I. Physics 151, 152, 251, 252

II. Physics 161H, 162H, 261H, 262H

III. Physics 141, 142, 241, 242

IV. Physics 131, 132, 181, 182, 242

*Although not recommended, the sequence:*

V. 102, 103, 181, 182, 242 will be accepted under special circumstances.

PHYS 305 (Computational physics)

PHYS 321 (Mechanics I)

PHYS 331 (Electricity and magnetism I)

PHYS 371 (Quantum Theory I)

PHYS 381, 382 (Methods in Experimental Physics I and II)

Six units of additional upper division physics courses

## A minor is required for the BA degree

## Math prerequisites for required physics courses

MATH 124 or 125 (Calculus I)

MATH 129 (Calculus II)

MATH 223 (Vector calculus)

MATH 254 (Differential equations)

**Chemistry 103ab, 104ab or 105ab and Math 215 (Linear Algebra) are strongly recommended.**

## NOTES

Physics 381 and 382 are writing emphasis courses.