

# REQUIREMENTS FOR THE BA IN PHYSICS

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## General education requirements

Foreign language: 4 semesters required

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 (2 TRAD & 2 INDV)

Tier 2: four courses (ART, HUM, INDV, DIVERSITY) The Diversity requirement can be a course which will satisfy one of the other three; so usually only three are needed.

## Physics requirements

*One of the introductory sequences:*

I. Physics 161H, 162H, 261H, 263H

II. Physics 141, 142, 241, 263H

*Although not recommended, the sequence:*

III. 102, 103, 181, 182, 263H 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 (Advanced Lab 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 151 and 152 and Phys 204 are strongly recommended.**

**NOTES :** Physics 381 and 382 are writing-emphasis courses.