

Physics, B.A.

Department of Physics, 303-556-2454, North Classroom 3123

College of Letters, Arts and Sciences

Catalog 14-15

This sheet applies to the 2014-15 catalog *only*. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors *must* work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

General Studies	34 hrs
Major courses	31
Required ancillary courses	8
Minor courses	18 min
Electives	29 hours
Total to graduate (min. 40 hrs upper division)	120 min

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

***TO BE COMPLETED WITHIN FIRST 30 COLLEGE-LEVEL CREDIT HOURS**

Written Communication

- ___ ENG 1010 (3 hrs) Composing Arguments*
- or** ENG 1008/1009 (6 hrs.) Intro to Composition, Parts 1 & 2*
- ___ ENG 1020 (3 hrs) Freshman Comp: Analysis, Research, & Documt.
(ENG 1020 must be completed within 45 credit hours)

Oral Communication*

- ___ (3 hrs)

Quantitative Literacy*

- ___ MTH 1110 (4 hrs.) College Algebra or higher level math
- NOTE: MTH 1110 & MTH 1120 OR MTH 1400 are prereqs for MTH 1410 do not take MTH 1112 College Algebra through Modeling*

Arts and Humanities

- ___ (3 hrs)
- ___ (3 hrs)

Historical

- ___ (3 hrs)

Natural and Physical Sciences May not be PHY courses.

- ___ (3hrs)
- ___ (3hrs)

Social and Behavioral Sciences I

- ___ (3 hrs)

Social and Behavioral Sciences II

- ___ (3 hrs)

Global Diversity may be satisfied within General Studies. May not be a PHY course.

- ___ (3 hrs)

MAJOR COURSES (Please see a Faculty Advisor in the PHY Dept)

A grade of "C-" or better is required for each course in this program

- ___ * PHY 2311 (4hrs) General Physics I
- ___ * PHY 2321 (1hr) General Physics I Lab
- ___ * PHY 2331 (4hrs) General Physics II
- ___ * PHY 2341 (1hr) General Physics II Lab
- ___ PHY 2711 (3hrs) Vibrations and Waves
- ___ PHY 2811 (4hrs) Modern Physics I
- ___ PHY 3011 (3hrs) Modern Physics II
- ___ PHY 3711 (2hrs) Physics Lab I
- ___ PHY 4921 (1hr) Physics Senior Seminar (Senior Experience)

*A one-year sequence of PHY 2010 - PHY 2020 - PHY 2030 - PHY 2040 may be substituted for the PHY 2311 - PHY 2331 - PHY 2321 - PHY 2341 requirements **with the consent of the Physics Department.**

PHYSICS ELECTIVES

Work with your Physics faculty advisor to choose a minimum of 8 additional credit hours of upper-division physics, 2 credit hours of which must be from either PHY 4611 or PHY 4711.

NOTE: Most of the above courses have math prerequisites. Check prerequisites in the current MSU Denver catalog before registering for the above courses.

Required Ancillary Courses: *See catalog.msudenver.edu for course prerequisites*

- ___ MTH 1410 (4hrs) Calculus I
- ___ MTH 2410 (4hrs) Calculus II

Multicultural Requirement

may be satisfied in Gen Studies, major, minor, or electives

MINOR (required)

ELECTIVES