This sheet applies to the 2015-16 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.

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
___ CHE 1800 (4 hrs.) Recommended - see Physics Advisor
___ CHE 1810 (4 hrs.) + CHE 1850 (2hrs.) Recommended - see Physics Advisor

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.)

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

MAJOR COURSES Please see a Faculty Advisor in PHY Department
A grade of C- or better required in all courses in the 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 3211 (4hrs.) Analytical Mechanics
__ PHY 3411 (3hrs.) Thermal Physics
__ PHY 3711 (2hrs.) Physics Lab I
__ PHY 3811 (3hrs.) Quantum Mechanics
__ PHY 4331 (4hrs.) Electricity and Magnetism
__ PHY 4611 (2hrs.) Computational Physics I
__ PHY 4711 (2hrs.) Advanced Physics I Lab
__ 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.

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
__ MTH 2420 (4hrs.) Calculus III
__ MTH 3420 (4hrs.) Differential Equations

NOTES: Students are encouraged by the Physics department to complete one year of general chemistry and one year of electronics. See Physics faculty advisor for details.

MINOR (required)

ELECTIVES