This sheet applies to the 2012 (1hr)3 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.

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

**Written Communication**
- **ENG 1010 (3 hrs) Freshman English: The Essay***
- **ENG 1008/1009 (6 hrs.) Freshman Comp: The Essay Part I & II***
- **ENG 1020 (3 hrs) Freshman English: Anal., Rsrch. & Docum.**  
  (must be completed within 45 credit hours)

**Quantitative Literacy***
- **MTH 1110 (4 hrs) or higher-level math**

**Oral Communication***
- **(3 hrs)**

**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 Physics Faculty Advisor)**

- **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)**

*The following courses may be taken in substitution with the consent of the Physics department: PHY 2010 (4hrs), PHY 2020 (4hrs), PHY 2030 (1hr), and PHY 2040 (1hr).

**PHYSICS ELECTIVES**
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.

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

*Note: C- or better required in all courses in the program.*

**MINOR (required)**

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

**ELECTIVES**