This sheet applies to the 2013-14 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.

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-CREDIT HOURS AT MSU-Denver*

**Written Communication**
- **ENG 1010** (3 hrs.) Composing Arguments*  
- **ENG 1008/1009** (6 hrs.) Composing Arguments, Parts I & II*  
- **ENG 1020** (3 hrs.) Freshman English: Rsrch, Anly, & Documt.
  
  *(to be completed within 60 credits at Metro)*

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

**Quantitative Literacy**
- **MTH 1110** (4 hrs.) College Algebra or higher level math  
- **MTH** (3-4 hrs.)

**Arts and Humanities**
- **(3 hrs.)**
- **(3 hrs.)**

**Historical**
- **(3 hrs.)**

**Natural and Physical Sciences**
- **CHE1800** (4 hrs.) General Chemistry I  
- **CHE1810** (4 hrs.) General Chemistry II  
- **CHE1850** (2 hrs.) General Chemistry Lab

**Social and Behavioral Sciences I**
- **(3 hrs.)**

**Social and Behavioral Sciences II**
- **(3 hrs.)**

**Global Diversity**
- **(3 hrs.)** may be satisfied within General Studies

**ELECTIVES**

**MAJOR COURSES (Please see a Faculty Advisor)**
- **BIO 1080** (3 hrs.) General Biology I  
- **BIO 1090** (1 hrs.) General Biology Lab I  
- **BIO 1081** (3 hrs.) General Biology II  
- **BIO 1091** (1 hrs.) General Biology Lab II  
- **BIO 3600** (4 hrs.) General Genetics (check catalog for prereqs.)

Select two of these options:
- **Option 1:** **BIO 2100** (5 hrs.) General Botany  
- **Option 2:** **BIO 2400** (5 hrs.) General Microbiology  
- **Option 3:** **BIO 2310** (4 hrs.) and **BIO 2320** (4 hrs.) Human Anatomy & Physiology I & II  
- **Option 4:** **BIO 3050** (4 hrs.) Cell and Molecular Biology  
- **Option 5:** Either **BIO 3200** (4 hrs.) Invertebrate Zoology or **BIO 3260** (4 hrs.) Vertebrate Zoology

Select one of the following:
- **BIO 4510** (4 hrs.) Microbial Ecology (Senior Experience)  
- **BIO 4540** (4 hrs.) Plant Ecology (Senior Experience)  
- **BIO 4550** (4 hrs.) Animal Ecology (Senior Experience)

**Biology Electives** – to total 40 hrs., selected in consultation with a faculty advisor. At least 21 semester hours of the major (including genetics, ecology, and upper-division electives) must be from 3000- and 4000-level courses in Biology.

**Required Non-Biology Courses:**
One year of college general chemistry with lab (CHE 1800, CHE 1810, CHE 1850), Organic Chemistry I with lab (CHE 3100 and CHE 3120), either Biochemistry I (CHE 4310) or Organic Chemistry II (CHE 3110), and one year of mathematics starting with MTH 1110 or above, are requisites for a bachelor of science major in Biology.

**MINOR (required)**
- **Multicultural** (may be taken in the major, minor, general studies, or as an elective).