This sheet applies to the 2012-2013 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
38

Major courses
61

Concentration
18

Additional requirements
11

Total to graduate (min. 40 upper division hours) 128-135

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*TO BE COMPLETED WITHIN FIRST 30-CREDIT HOURS AT MSU Denver

**Written Communication**

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

**Quantitative Literacy:** students must earn a grade of “C” or higher

- MTH 1410 (4 hrs) Calculus I
- or MTH 1400 (4 hrs) Pre-Calculus & MTH 1410 (4 hrs) Calculus I

*(Note: MTH 1110-4 College Algebra & MTH 1120-3 Trigonometry may substitute for MTH 1400).*

**Oral Communication**

- ___ SPE 1010 (3 hrs) Public Speaking

**Arts & Humanities**

- ___ (3 hrs)
- ___ PHI 1030 (3 hrs) Introduction to Ethics
- OR PHI 3360 (3 hrs) Business Ethics

**Historical**

- ___ (3 hrs)

**Natural & Physical Sciences:** Students must earn a grade of “C” or higher

- ___ CHE 1100 (4 hrs) Principles of Chemistry & CHE 1150 (1 hr) Lab
- or CHE 1800-4 & CHE 1810-4 & CHE 1850-2 Lab (may be substituted)
- ___ PHY 2311 (4 hrs) General Physics I & PHY 2321 (1 hr) Lab

**Social & Behavioral Science I**

- ___ IND 2810 (3 hrs) Technology & Design: Global Perspectives (recommended)

**Social & Behavioral Science II**

- ___ (3 hrs)

**Global Diversity**

- ___ IND 2810 Technology & Design: Global Perspectives (recommended)

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REQUIRED TECHNICAL COURSES (CORE): any course used to satisfy a prerequisite for an EET course must be passed with a grade of “C” or better.

**EE 1001 (3 hrs) Electronics: An Introduction**

- ___ EET 1140 (4 hrs) Circuits I
- ___ EET 1150 (4 hrs) Circuits II
- ___ EET 2145 (4 hrs) Electronics
- ___ EET 2310 (3 hrs) Digital Circuits I
- ___ EET 2340 (3 hrs) Technical Programming Applications
- ___ EET 2350 (3 hrs) Advanced Technical Programming
- ___ EET 3110 (4 hrs) Circuit Analysis with Laplace
- ___ EET 3120 (4 hrs) Advanced Analog Electronics
- ___ EET 3330 (3 hrs) Digital Circuits II
- ___ EET 3410 (3 hrs) Electric Machines
- ___ EET 3620 (3 hrs) Analog & Digital Communications
- ___ EET 3630 (3 hrs) Electromagnetic Fields
- ___ EET 3715 (3 hrs) Control Systems Analysis
- ___ EET 3730 (2 hrs) Process Control Systems
- ___ EET 3740 (2 hrs) Programmable Logic Controllers
- ___ EET 4100 (1 hr) Senior Project I (Senior Experience)
- ___ EET 4110 (2 hrs) Senior Project II (Senior Experience)
- ___ EET 4340 (3 hrs) Interface Techniques
- ___ EET 4370 (3 hrs) Microcontrollers

**COMMUNICATIONS CONCENTRATION**

- ___ EET 3670 (3 hrs) Measurements for Communication Systems
- ___ EET 4020 (3 hrs) Digital Circuits III-Hardware Description Language
- ___ EET 4320 (3 hrs) Digital Filters or 3-credit hour EET elective chosen in consultation with and approved by an EET advisor.
- ___ EET 4620 (3 hrs) Advanced Communications Systems
- ___ 3 additional credit hours chosen from CET 3120, CIS 3280, CS 3700, EET 1300, EET 3800, EET 4320, EET 4630, or EET 4730.

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**Additional Requirements:** 13-credit hours

- ___ COM 2610 (3 hrs) Introduction to Technical Writing
- ___ MTH 1410 (4 hrs) Calculus I* (can be satisfied in general studies)
- ___ MTH 2410 (4 hrs) Calculus II

**Multicultural Requirement**

*(may be satisfied within General Studies)*