### General Studies
- 38 credits

### Major courses
- 61 credits

### Concentration
- 18 credits

### Additional requirements
- 11 credits

**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)** Composing Arguments*
- OR: **ENG 1008/1009 (6 hrs)** Freshman Comp: The Essay Part I & II*
- OR: **ENG 1020 (3 hrs)** Freshman English: Rsrch, Anly, & Documt. (must be completed within 45-credit hours)

**Oral Communication**
- **SPE 1010 (3 hrs)** Public Speaking

**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)*

**Arts & Humanities**
- **(3 hrs)**
  - **PHI 1030 (3 hrs)** Introduction to Ethics
- **(3 hrs)**
  - **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)**

**Electives**

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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.

**EET 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 4030 (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.**

**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

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**Multicultural Requirement**
- *(may be satisfied within General Studies)*