<table>
<thead>
<tr>
<th>Category</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Studies</strong></td>
<td>43-51</td>
</tr>
<tr>
<td><strong>Major courses</strong></td>
<td>60</td>
</tr>
<tr>
<td><strong>Concentration</strong></td>
<td>15</td>
</tr>
<tr>
<td><strong>Additional requirements</strong></td>
<td>11</td>
</tr>
<tr>
<td><strong>Total to graduate (min. 40 upper division hours)</strong></td>
<td><strong>128-136</strong></td>
</tr>
</tbody>
</table>

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

**Written Communication**

- **ENG 1010 (3hrs)** Composing Arguments*

OR **ENG 1008/1009 (6 hrs.)** Freshman Comp: The Essay Part I & II*

- **ENG 1020 (3hrs)** 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

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)**

**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 (3 hrs)** Circuits I

- **EET 1150 (3 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

**POWER AND CONTROL SYSTEMS CONCENTRATION**

- **EET 3420 (3 hrs)** Electric Power Distribution

- **EET 3430 (3 hrs)** Power Generation Using Renewable Energies

- **EET 4710 (4 hrs)** Digital Control Systems Design

8 additional credit hours chosen CET 2150, CET 3120, 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

**Multicultural Requirement**

(may be satisfied within General Studies)