### MAJOR COURSES

**MECHANICAL CONCENTRATION**

- MET 3070 (3 hrs) Machine Design
- MET 3125 (3 hrs) Heat Transfer with Laboratory
- MET 3320 (3 hrs) Instrumentation Laboratory
- MET 3xxx (3 hrs) Upper-division MET elective
- MET 4070 (3 hrs) Computer Aided Design (Sr. Exp.)
- MET 4280 (3 hrs) Advanced Energy Technology

**GLOBAL DIVERSITY**

- Ind 2810 (3 hrs) Technology and Design: Global Perspectives

**Total to Graduate**

- General Studies 38 min.
- Major Courses 68
- Concentration 21
- Total to Graduate (min. 40 hrs upper division) 127

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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) Intro to Composition I and II*
- OR ENG 1020 (3 hrs) Freshman Comp: Anly, Rsrch, and Documt. (must be completed within 45-credit hours)

#### Oral Communication*

- SPE 1010 (3 hrs) Public Speaking

#### Quantitative Literacy*:

- MTH 1400 (4 hrs) Pre-Calculus

**Note:** MTH 1110 (4 hrs) College Algebra and MTH 1120 (3 hrs) Trigonometry may substitute for MTH 1400

#### Arts & Humanities

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

#### Historical

- (3 hrs) recommended to select an approved multicultural course

#### Social & Behavioral Sciences I

- IND 2810 (3 hrs) Technology and Design: Global Perspectives

**Recommended**

#### Social & Behavioral Sciences II

- ECO 2020 (3 hrs) Principles of Microeconomics

#### Natural & Physical Sciences

- PHY 2311 (4 hrs) General Physics I
- PHY 2321 (1 hr) General Physics I Lab
- PHY 2331 (4 hrs) General Physics II
- PHY 2341 (1 hr) General Physics II Lab

**Global Diversity** may be satisfied within general studies

- IND 2810 (3 hrs) Technology and Design: Global Perspectives