This sheet applies to the 2011-2012 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. Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

### GENERAL STUDIES LEVEL I
(must be complete within first 30-credit hours)

**Composition**
- ENG 1010-3 Freshman Comp: the Essay
- ENG 1020-3 Freshman Comp: Anal., Rsrch & Docum.

**Mathematics**
- MTH 1410-4 Calculus I
or MTH 1400-4 Pre-Calculus & MTH 1410-4 Calculus I

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

**Communications**
- SPE 1010-3 Public Speaking

### GENERAL STUDIES LEVEL II

**Historical**
- -3

**Arts & Letters**
- PHI 1030-3 Introduction to Ethics
or PHI 3360-3 Business Ethics (preferred)
or PHI 3370-3 Computer, Ethics & Society
- -3

**Social Sciences**
- -3

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

### ADDITIONAL GRADUATION REQUIREMENT

Multicultural Requirement *(may be satisfied within General Studies)*
- -3

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

### ADDITIONAL REQUIREMENTS

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

### COMPUTER ENGINEERING TECHNOLOGY CONCENTRATION

- CS 1050-4 Computer Science 1
- CS 2050-4 Computer Science 2
- EET 4020-3 Digital Circuits III-Hardware Description Language
- EET 4330-3 Data Communications
- CS 3050-4 Digital Logic Design
- CS 3051-1 Microcomputer Systems

*Courses in bold are recommended for students to complete within their freshman year at Metro State.*
Preparatory Courses

High School

Prep. Math

MTH 1110 College Algebra

MTH 1120 College Trig.

First Semester

EET 1001 Electronics: An Introduction

MTH 1400 Pre-Calculus

See note MP

Second Semester

EET 1140 Circuits I

MTH 1410 Calculus I

ENG 1010 Freshman Comp: The Essay

ENG 1020 Freshman Comp: Analysis, Research, and Documentation

SPE 1010 Public Speaking

CHE 1100 Principles of Chemistry

CHE 1150 Principles of Chemistry Lab

Third Semester

EET 1150 Circuits II

EET 2340 Technical Programming Applications

MTH 2410 Calculus II

EET 2311 General Physics I

PHY 2321 General Physics I Lab

Fourth Semester

EET 2145 Electronics

EET 2310 Digital Circuits I

EET 2350 Advanced Technical Programming

COM 2610 Technical Writing

G.S. Arts & Letters

See note MC!

A p2

B p2

C p2

D p2

Notes:
CR—Only exceptionally good students should take more than 16 hours. It is recommended that courses be taken in a ninth semester, or some courses be taken during the summer semesters.

MC—At least one general studies course must be Multicultural.

MP—Students placing directly into MTH 1410 Calculus I in the first semester may replace these hours with MTH 2420 Calculus III in the third semester.
METROPOLITAN STATE COLLEGE of DENVER
Bachelors of Science in Electrical Engineering Technology

Planned Use: 2011-12

Fifth (Fall) Semester

- EET 3620 Adv. Analog Electronics
- EET 3410 Electric Machines
- EET 3110 Circuit Analysis with Laplace
- EET 3330 Digital Circuits II
- G.S. Historical
  - See note MCI

Sixth (Spring) Semester

- EET 3120 Analogy Digital Communications
- EET 3630 Electromagnetic Fields
- EET 3730 Process Controls
- EET 3740 Programmable Logic Controllers
- Course in Concentration or Minor
  - See note CR

Seventh (Fall) Semester

- G.S. Arts & Letters
  - PHI 3360 Business Ethics
  - PHI 3370 Computers, Ethics, and Society
  - PHI 1030 Ethics
- EET 3715 Control System Design and Lab
- EET 4100 Senior Project I
- EET 4340 Interface Techniques
- Course in Concentration or Minor
  - See note CR

Eighth (Spring) Semester

- G.S. Social Science
  - See note MCI
- EET 4110 Senior Project II
- Course in Concentration or Minor
  - See note CR

See note CR - Take EET 3630 in the Eight Semester and then the G.S. Social Science courses in any summer semester.

Metropolitan State College of Denver, ELECTRICAL ENGINEERING TECHNOLOGY
Campus Box 29, Bldg. SO, Room 226, P. O. Box 173362, Denver, Colorado 80217-3362
Phone: (303) 556-2503, Fax: (303) 556-2972, http://www.mscd.edu/et

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