

# Electrical Engineering Technology, B.S., Communications Concentration

303-556-2503

Plaza Building 262

Catalog 14-15

College of Professional Studies

This sheet applies to the 2014-2015 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	72
Concentration	18
<b>Total to graduate (min. 40 upper division hours)</b>	<b>128-135</b>

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

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

### Written Communication

- \_\_\_ ENG 1010 (3hrs) Composing Arguments\*  
**OR** ENG 1008/1009 (6 hrs.) Intro to Composition I & II\*  
\_\_\_ ENG 1020 (3hrs) Freshman Comp: Anly, Rsrch, & 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 1400 (4 hrs) Pre-Calculus  
**(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  
\_\_\_ PHY 2311 (4 hrs) General Physics I & PHY 2321 (1 hr) Lab

### Social & Behavioral Science I

- \_\_\_ (3 hrs)

### Social & Behavioral Science II

- \_\_\_ (3 hrs)

### Global Diversity

- \_\_\_ (3 hrs) may be satisfied within General Studies

### Electives

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**  
**OR EET 1040 (3 hrs) Introduction to Engineering**  
\_\_\_ EET 1140 (4 hrs) Circuits I  
\_\_\_ EET 1150 (4 hrs) Circuits II  
\_\_\_ EET 2145 (3 hrs) Electronics  
\_\_\_ EET 2165 (1 hr) Electronics Laboratory  
\_\_\_ 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) Transform Methods in Circuit Analysis  
\_\_\_ 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 (4 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  
\_\_\_ 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

### 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  
\_\_\_ EET 4620 (3 hrs) Advanced Communications Systems  
\_\_\_ 6 additional credit hours chosen from CET 2150, CET 3120, EET 4320, EET 4330, EET 4730, MET 3110, or MET 3125.

### \_\_\_ Multicultural Requirement

(may be satisfied within General Studies)