

Electrical Engineering Technology, B.S., Power and Control Systems Concentration

303-556-2503

South Classroom 226

Catalog 10-11

This sheet applies to the 2010-2011 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.

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|---|----------------|
| General Studies | 43-51 |
| Major courses | 56 |
| Concentration or minor courses | 18 |
| Additional requirements | 11 |
| Total to graduate (min. 40 upper-division hours) | 128-136 |

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report)

GENERAL REQUIREMENTS

Composition

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

Mathematics

- ___ MTH 1400-4 Precalculus
- or** MTH 1110-4 College Algebra and MTH 1120-3 Trigonometry

Communications

- ___ SPE 1010-3 Public Speaking

Historical

- ___ -3

Arts & Letters

- ___ -3
- ___ -3

Social Sciences

- ___ -3
- ___ -3

Natural Sciences

- ___ PHY 2311-4 General Physics I
- ___ PHY 2321-1 General Physics I Lab
- ___ PHY 2331-4 General Physics II
- ___ PHY 2341-1 General Physics II Lab
- ___ CHE 1100-4 Principles of Chemistry & CHE 1150
- or** CHE 1800-4 & CHE 1810-4 & CHE 1850-2 Lab

Multicultural Requirement

(*may be satisfied within General Studies, major, minor or electives*)

- ___ -3

MAJOR REQUIREMENTS: 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 2140-3 Electronics I
- ___ EET 2150-3 Electronics II
- ___ EET 2310-4 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 3360-3 Microprocessors
- ___ EET 3620-3 Analog & Digital Communications
- ___ EET 3710-3 Control Systems Analysis
- ___ EET 4100-1 Senior Project I
- ___ EET 4110-2 Senior Project II
- ___ EET-3 EET Elective (Excluding EET 2000 and EET 3010)
- ___ EET-3 EET Elective (Excluding EET 2000 and EET 3010)

Additional Requirements

- ___ COM 2610-3 Introduction to Technical Writing
- ___ MTH 1410-4 Calculus I
- ___ MTH 2410-4 Calculus II

POWER AND CONTROL SYSTEMS CONCENTRATION

Required Courses:

- ___ EET 3410-3 Electric Machines
- or** EET 3420-3 Electric Power Distribution
- ___ EET 3730-2 Process Control Systems
- ___ EET 3740-2 Programmable Logic Controllers
- ___ EET 4710-4 Digital Control Systems Design

7 additional hours chosen CET 2150, CET 3120, EET 3350, EET 3410, EET 3420, EET 3430, EET 3630, EET 3720, EET 3800, EET 4320, EET 4330, EET 4340, EET 4370, EET 4730, MET 3110 or MET 3120.