

Common Course Outline
ELET 111
INTRODUCTION TO ELECTRONICS FOR
TELECOMMUNICATIONS
4 Semester Hours

The Community College of Baltimore County

Description

Introduction To Electronics For Telecommunications

Presents beginning topics in electronics as they apply to an understanding of the telecommunications electronics field. 3 lecture hours, 2 lab hours per week. One semester.

Overall Course Objectives.

Upon completion of this course the student will be able to:

Understand DC and AC theory relative to telecommunications; use basic electronic test equipment used in the telecommunications field; understand basic semiconductor theory relative to telecommunications.

Major Topics

Series Circuits; Parallel Circuits; Series-Parallel Circuits; Resistors; Sine-Wave Analysis; Reactance; Impedance; Power; Diodes; Bipolar Transistors; FET Transistors; Telephone Receivers Transmitters; PBX; Data Communication Systems; Single-Line and Multifunction Phones; Transmission Media.

Course Requirements

The instructor will administer Exams (50%), Laboratory assignments (30%), Homework assignments (20%).

Other Course Information

Additional Information about this course or any other Industrial electricity/electronics course can be obtained by contacting the IEE/Telecommunications Program Director.