NHTI Concord's Community College

Electrical Engineering Technology Program

Student Outcomes

Learned capabilities the students are expected to know, and be able to do, following graduation:

a. Proficiency in the use of commercial laboratory test equipment, standard mathematical techniques, and circuit simulation methods to accomplish analysis, design and construction of Analog and Digital circuits.

b. The ability to apply practical knowledge of math, at the level of algebra and trigonometry, and physics, to electrical and electronic circuits.

c. The ability to read a schematic, setup and use measurement equipment, accurately measure waveforms, and compare measured results with theoretical results calculated from a schematic.

d. Demonstration of discipline-specific project management and teamwork skills.

e. The ability to critically analyze problem statements, decompose a problem into sub problems, and develop appropriate solutions.

f. The ability to produce written documents and deliver professional presentations.

g. Demonstrates initiative in developing solutions to electronic engineering technology problems using documentation and research.

h. Knowledge of social, technical and professional ethics required in a professional environment, including a respect for diversity.

i. Knowledge of social, technical and professional ethics required in a professional environment, including a respect for diversity.