Program Educational Objectives of the AAS in Electrical Engineering Technology

Program educational objectives are long term knowledge, skills, and talents that should be apparent in an AAS in EET graduate.

The Morrisville State College AAS in Electrical Engineering Technology Program has adopted the following Program Educational Objectives:

The students shall:

a) Acquire problem-solving skills needed to function as an engineering technologist,

b) acquire appropriate AAS level analytical knowledge in EET,

c) acquire “hands-on” experience with electrical and electronic circuits,

d) acquire good oral and written communications skills,

e) acquire an awareness of professional ethics,

f) acquire an appreciation for workplace diversity and respect for others, and,

g) have the ability for lifelong learning and continuing one’s education.

Program Outcomes of the AAS in Electrical Engineering Technology

Program outcomes are those knowledge, skills and talents to be acquired by the EET student by time of graduation.

To achieve the stated Program Educational Objectives associated with the AAS in Electrical Engineering Technology program, the following program outcomes have been promulgated:

1. Knowledge:

   a) Definitions, laws, and terminology related to electrical circuits as well as analog and digital electronics,

   b) principles of operation & applications of semiconductor devices and integrated circuits, and,

   c) principles of operation & applications of digital devices and digital systems including familiarity with FPD’s and microprocessors.

2. Skills:

   a) Ability to analyze and design a variety of analog and digital circuits,

   b) Use lab equipment to perform measurements and data collection,
c) Write industry quality technical reports,

d) Use computers for circuit simulation and report preparation,

e) Design and fabricate a system involving at least one feedback loop, and perform both written and oral interim & final presentations on same,

f) Ability to work in a team, and,

g) Familiarity with a professional code of ethics.

3. General Education:

   a) Critical Thinking,

   b) Analytical Thinking & Problem Solving,

   c) Written and Oral Communications,

   d) Professional Ethical Behavior, and,

   e) Cognizance of Diversity & Respect for Others.