



CENTRAL PIEDMONT COMMUNITY COLLEGE

ELECTRICAL ENGINEERING TECHNOLOGY ELECTRONICS ENGINEERING TECHNOLOGY STUDENT OUTCOMES

- A. an ability to apply the knowledge, techniques, skills, and modern tools of the discipline to narrowly defined engineering technology activities;
- B. an ability to apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require limited application of principles but extensive practical knowledge;
- C. an ability to conduct standard tests and measurements, and to conduct, analyze, and interpret experiments;
- D. an ability to function effectively as a member of a technical team;
- E. an ability to identify, analyze, and solve narrowly defined engineering technology problems;
- F. an ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature;
- G. an understanding of the need for and an ability to engage in self-directed continuing professional development;
- H. an understanding of and a commitment to address professional and ethical responsibilities, including a respect for diversity; and
- I. a commitment to quality, timeliness, and continuous improvement.

ELN/ELC A. the application of circuit analysis and design, computer programming, associated software, analog and digital electronics, and microcomputers, and engineering standards to the building, testing, operation, and maintenance of electrical/electronic(s) systems; and...

ELN/ELC B. the applications of physics or chemistry to electrical/electronic(s) circuits in a rigorous mathematical environment at or above the level of algebra and trigonometry