



# CENTRAL PIEDMONT COMMUNITY COLLEGE

## **COMPUTER ENGINEERING TECHNOLOGY ELECTRICAL ENGINEERING TECHNOLOGY ELECTRONICS ENGINEERING TECHNOLOGY PROGRAM OBJECTIVES**

- 1.** To prepare students with different levels of educational preparedness, workplace maturity, socio-economic backgrounds, and cultural/ethnic influences to meet individual career goals, whether the goal is to take a single class, complete a certificate, or acquire an AAS degree.
- 2.** To educate students with fundamental technical knowledge and skills driven by the established and effective practices of engineering technology, including design, product support, and problem analysis.
- 3.** To prepare students with the necessary mathematics, physics, and information technology skills to further understand the technology they are using, to apply the principles of these disciplines to problem analysis and solution, and to utilize these disciplines as a basis for life-long learning experiences.
- 4.** To provide students with a fundamental curriculum, an educational experience, and an understanding of the advances in the engineering technology field, that will enable them to pursue more advanced degree programs at colleges or universities.
- 5.** To educate students in the principles of communications, utilizing written, oral, and visual information at either an interpersonal level or within the team environment.
- 6.** To provide a curriculum that encourages students to become broadly educated technologists and life-long learners with a fuller understanding and appreciation of the arts, the humanities, and the social sciences.
- 7.** To provide students with real-life industrial experiences by cooperative education and internships, preparing them for future technical work environments and team-based technology efforts, and an opportunity to further refine their communication skills.
- 8.** To instill in students the ability to apply, creatively and practically, the techniques of information technology, mathematics, physics and/or engineering technology to design, integration or analysis processes.