

## **Computer Engineering Technology Program**

### ***Program Educational Objectives***

1. A graduate should have the ability to work with his/her coworkers, customers, clients, be able to communicate with written reports, give oral presentations and manage his/her time effectively.
2. A graduate should possess knowledge of the internal and external components of computer systems, computer programming, basic operating systems, local networks and the Internet in order to install, test, maintain, analyze, and troubleshoot computers effectively.
3. A graduate should possess the ability to apply current knowledge of mathematics, science and technology to solve and interpret experiments and apply results to improve the process.
4. A graduate should have basic worker traits such as being a self-starter, being creative, and should understand professional, ethical, and social responsibilities.
5. A graduate should be committed to continue developing knowledge and skills after graduation by obtaining certifications and staying current with technology.

### ***Student Outcomes***

- (1) an ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline;
- (2) an ability to design solutions for well-defined technical problems and assist with the engineering design of systems, components, or processes appropriate to the discipline;
- (3) an ability to apply written, oral, and graphical communication in well-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature
- (4) an ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results; and
- (5) an ability to function effectively as a member of a technical team