Division of Science, Technology, Engineering and Mathematics

Associate in Science in Electronics Technology

This program prepares students to gain employment in the electronics industry as an electronic or repair technician. The program provides students with skills to use industry standard tools and techniques as well as to analyze design challenges, troubleshoot and propose effective solutions. Students graduating from the Associate in Science in Electronics Technology program will achieve proficiency in the college-wide learning outcomes.

Successful graduates of the program will be able to:

1. Apply basic concepts of microcomputer architecture software and hardware to the design and repair of electronic systems;
2. Analyze and troubleshoot issues with basic electronic systems;
3. Operate digital and analog electronic test equipment such as multi-meters, function generators and oscilloscopes;
4. Design a virtual solution and a physical model that satisfies given parameters such as feasibility, efficiency, and safety;
5. Collaborate effectively with diverse clients and peers in a variety of disciplines, such as mechanical engineering, computer science and biotechnology;
6. Apply analytical reasoning, creative processes, and knowledge of electronic systems to resolve design issues;
7. Write clear, concise technical reports that describe issues and how they were fixed.