

ENGINEERING TECHNOLOGY

Graduates of this program will:

Electronics Concentration

1. Apply knowledge of electronic fundamentals, major electronic components, and essential circuit formulas in a field or laboratory setting.
2. Use a computer for academic and industry-related applications.
3. Apply technical knowledge and skills to install and support personal computers and computer networks.
4. Exhibit proficiency in the use of electronic test equipment and tools, and troubleshoot electronic circuits for various component malfunctions.
5. Demonstrate good oral and written communication skills and demonstrate good technical research skills.
6. Use strong analytical problem-solving skills and mathematical knowledge to solve complex technical problems.

Biomedical Equipment Concentration

1. Explain the function of the electrical components of medical equipment and diagnose common issues and perform preventive maintenance and repair in a clinic environment.
2. Describe the role of Biomedical Technology in healthcare and safety requirements, regulations, and standards.
3. Demonstrate a working medical vocabulary and ability to communicate as part of a healthcare team as well as knowledge of basic human anatomy and physiology.
4. Identify, analyze, and integrate the technical equipment requirements with the needs of medical staff and patients and use oral and written business communication skills appropriate to a clinical environment.
5. Identify key components of effective clinical customer service and function as an organized team member to complete complex tasks in a timely manner.
6. Demonstrate professional ethical behavior and a respect for diversity in an internship clinical setting as evidenced by supervisor reports.