Program Outcomes for the ATA in Information Technology

1. **<u>Operating Systems</u>:** Students will be able to...
   a. Install various operating systems.
   b. Diagnose operating system errors.
   c. Identify and repair malicious software problems.

2. **<u>Software Applications</u>:** Students will be able to...
   a. Demonstrate basic operations with an office suite composed of a word processor, a spreadsheet, a database, and presentation software.
   b. Demonstrate proficiency with software utilized by computer professionals.
   c. Install and use software and hardware appropriate to a given situation.

3. **<u>Programming Skills</u>:** Students will be able to...
   a. Design and implement a computer program.
   b. Use variables, objects, and event-driven concepts in a computer program.
   c. Use program structures in a computer program.

4. **<u>Computer Repair and Support</u>:** Students will be able to...
   a. Disassemble and assemble a computer.
   b. Diagnose and repair common hardware problems.
   c. Pass the COMP TIA A+ practice exam.

5. **<u>Network Support and Administration</u>:** Students will be able to...
   a. Install a server and workstation computers on a star network.
   b. Setup network security.
   c. Use and manage Active Directory.

6. **<u>Micro Controllers and Robotics</u>:** Students will be able to...
   a. Program a micro controller to accomplish a specified task.
   b. Integrate sensors into a micro controller/robotic operation.
   c. Demonstrate robot construction techniques.

7. **"<u>Human Things</u>":** Students will be able to...
   a. Demonstrate various aspects of customer relations.
   b. Demonstrate creativity.