

NTID
Automation Technologies Program Outcomes Assessment
Plan and Report for AY 2006-2007

Program Goal: To provide students the job-entry skills needed to acquire positions in a wide array of automated environment, who will have as their primary responsibilities, to install, maintain, upgrade, troubleshoot and repair automated systems and their components.

Critical Outcomes for all Students		Assessment of Outcomes		Timeline		Results	
Domain/Task/ Capability	Performance Criteria/ Benchmarks	Instrument/ Opportunity	Assessment of Performance	Develop	Collect	Summarization of Results	Use of Results
1. Technical	<p>A. Reading and interpreting drawings, schematics and technical specifications: Students will demonstrate the ability to read and correctly interpret electrical and mechanical drawings, schematics and technical specification sheets.</p> <p>B. Programming: Students will demonstrate an understanding of programming concepts relating to the control of a system or process.</p>	Written and hands on project exam in Automated Systems I	<p>A. Given an assembly or troubleshooting project, 80% of all students will be able to correctly read and interpret electrical and pneumatic drawings, schematics and other technical specification sheets needed to correctly assemble or troubleshoot equipment.</p> <p>B. Given written program segments, 80% of all students will be able to determine the function or purpose of the program segment.</p>	20051	20062	<p>Results of 20062: N=3 3/3 (100%) met the acceptable entry level professional standards or higher.</p>	Results were positive; however, we have a small pool and will continue to monitor the results.
2. Technical	Assemble, configuring and maintaining an automated	Written and hands-on project exam in Automated	Given a basic automated system, 80% of all students will safely be able to	20051	20071	An assessment checklist is ready.	NA

	system: Students will be able to safely assemble, upgrade, configure, repair and maintain a basic automated system.	Systems Troubleshooting II	correctly assemble additional workable subsystems and demonstrate proficiency in controller program installations, configurations, interfacing, diagnostics, repair and maintenance.				
3. Job Skill	Students will demonstrate problem-solving, decision-making, responsibility, pride in self and work performance, and other learned behaviors and attitudes necessary for entering the work force and being self-sufficient.	Co-op Supervisor Evaluation Form	Score of 3 or higher on RIT Supervisor On-line Co-op Evaluation system, sections "Interaction in the Work Environment," "Quality of Work," and "Communication and Literacy Skills."	20054	Summer 20074	NA	NA
4. Co-op Work Experience	Students will demonstrate technical competency on the job in Automation Technology.	Co-op Supervisor Evaluation Form	Score of 3 or higher on RIT Supervisor On-line Co-op Evaluation system, sections "Problem Solving" and "Technical Skills."	20054	Summer 20074	NA	NA
5. Job Placement	Student will gain entry-level employment in Applied Robotics	NCE	90% of graduates will be employed in the area of automated manufacturing.	20062	Winter 20082	NA	NA

	field.						
6. Student Satisfaction	Graduating students will indicate satisfaction with program and courses.	Survey	85% of students will rate all aspects of the program and courses as satisfactory or above.	Winter 20052	Fall 20081	NA	NA
Comments:							
/ssl Rev: 07/12/2007							

[TOP](#)