



Student Check Off Form

	Student	<i>Print Reading Exercise - Must be completed and handed in day 1</i>	<i>Sequence Dia. Part 1 - AMTEC</i>	<i>Written TRBLSHT Exercises 2 - 8</i>	<i>Seq. Dia Part 2-logic Anal. - AMTEC see note 1</i>	<i>Seq. Dia Part 3 - listing the permissives. - AMTEC See note 1</i>	<i>SMC Sequence Diagrams see Note 1</i>	<i>Troubleshooting 1 AMTEC</i>	<i>Troubleshooting 2 AMTEC</i>	<i>SMC Sequence Diagrams</i>	<i>TBSHOOT 1 SMC</i>	<i>TBSHOOT 2 SMC (or SMC3)</i>	<i>TBSHOOT 3 SMC (or SMC2)</i>	<i>Place Holder</i>	<i>Place Holder</i>	
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Note 1: This assignment may take 2 weeks to complete fully.

	Student	ROBOT - PLC I/O Worksheet	Remote I/O exercise	NEW - Safety Component Exercise	NEW Second -Written Troubleshooting Exercises.	Work ethic 1 - 5(excellent)	Safety 1 to 5 (excellent)	Proper use of Test equipment 1 through 5 (Excellent)	Attitude 1 through 5 (excellent)	Follow Troubleshooting Methodology 1 through 5 (excellent)	SMC Terminal exercise	NEW System Optimization lab	AMTEC 6 TBSHOOT	AMTEC 7 TBSHOOT	AMTEC 8 TBSHOOT	AMTEC 9 Trouble shooting	AMTEC 10 TBSHOOT	
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Prompts for Work Ethic:

- Student uses time in class for work
- No playing on the computer during class time - You Tube - etc.
- Listens attentively during lectures
- When complete with the present exercises and labs... asks for the next one.
- You shouldn't have idle time - unless waiting for the instructor - even then you should have exercises to complete

Prompts for safety:

- Proper use of PPE
- No horse play on equipment

Prompts for Proper use of test equipment:

- Ensure that you know what you are going to measure
- Ensure that the meter leads are properly applied to the panels
- Ensure that you are not doing a continuity check with power on
- Proper range and scale - if applicable
- Etc.

Prompts for attitude:

Don't get frustrated , try to solve the problems yourself for a reasonable period of time... if still stuck ask for a hint
The activities should be interesting, please reflect that
Be attentive in lectures and labs
Try to reflect a positive attitude at all times - this leads to promotions in the work place
Be on time every day
Treat the activities as you were on the job and your supervisor is looking over your shoulder
Watch your language

Prompts for using the proper Troubleshooting Methodology:

Physical examination of the machine to determine where it stopped in the sequence and looking for indicators related to that next step... is good
However not all faults can be found visually.
You will need to develop a logical approach to the problem
You will be given this approach... follow it.
Be observant on the machine... and HMI
Your other senses (other than sight) will help you identify some of the faults.

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