

FMT 122 & 123 Lecture sequence:

FMT 122

- 1) Introduction
- 2) Theory of operation
- 3) Response Time
- 4) Relays
- 5) Basic Instructions
- 6) A Program Example
- 7) A Level Application
- 8) Counters
- 9) Timers
- 10) Timer Accuracy
- 11) Master Controls
- 12) Shift Registers
- 13) Getting and Moving Data
- 14) Math Instructions
- 15) Boolean Math
- 16) Inputs, DC and AC
- 17) Outputs, Relay and Transistor

FMT 123

- 1) Interrupts
- 2) Immediate I/O
- 3) Subroutines
- 4) For/Next Loops
- 5) Jumps
- 6) Sequencers
- 7) Indirect Addressing
- 8) Analog Signals
- 9) Analog Inputs
- 10) Analog Outputs
- 11) Encoders
- 12) Incremental Encoders
- 13) Absolute Encoders
- 14) Gray Code
- 15) PID Tuning
- 16) RS232 Communications Hardware
- 17) RS232 Communications Software
- 18) RS232 using Ladder Logic