

GREAT PLAINS
Area Vocational—Technical School

Lawton, Oklahoma

This is to certify that:

PAUL M. MOYERS

Achieved the performance levels acknowledged
on the reverse side for the program of

ELECTRONICS

and is therefore awarded this

COMPETENCY CERTIFICATE

This 25th Day of May, 19 88

Bill Craft

Instructor

Kenneth Bridges

Superintendent

ELECTRONICS

MAJOR COMPETENCY AREAS

STUDENT COMPETENCY ACHIEVEMENT

Directions: Evaluate the trainee using the rating scale below and check the appropriate number to indicate the degree of competency achieved. The numerical ratings of 4, 3, 2, 1, and 0 are not intended to represent the traditional school grading system of A, B, C, D and F. The descriptions associated with each of the numbers focus on level of student performance for each of the areas listed below.

- Rating Scale: 4 - SKILLED — can perform job independently.
 3 - MODERATELY SKILLED - can perform job with limited supervision.
 2 - LIMITED SKILL - requires instruction and close supervision.
 1 - EXPOSURE ONLY - general information provided with no practice time.
 0 - NO EXPOSURE - no information nor practice provided during training program.

STUDENT COMPETENCY ACHIEVEMENT

YEAR ONE BASIC

4	3	2	1	0	
X					ORIENTATION
X					SAFETY
					THEORY OF ENERGY
					SCIENTIFIC CALCULATIONS
	X				SOURCES OF ELECTRICITY
					CONDUCTORS, SEMICONDUCTORS, INSULATORS
		X			RESISTIVE CIRCUITS
	X				MAGNETISM
			X		METERS AND INSTRUMENTS
	X				INDUCTANCE
					CAPACITANCE
			X		RCL CIRCUITS
				X	SEMICONDUCTOR DIODES AND POWER SUPPLIES
			X		THE TRANSISTOR
	X				TRANSISTOR AMPLIFIERS
X					TRANSISTOR POWER AMPLIFIERS
X					TRANSISTORIZED OSCILLATORS
X					SWITCHING AND LOGIC CIRCUITS
X					INTEGRATED CIRCUITS
	X				COMPUTERS AND MICRO-COMPUTERS
X					JOB READNESS SKILLS

YEAR TWO ADVANCED

4	3	2	1	0	
X					ORIENTATION
	X				REVIEW OF FUNDAMENTALS
		X			DIODE CIRCUITS AND SPECIAL DIODE DEVICES
			X		BJT AMPLIFIER CIRCUITS
				X	FIELD EFFECT TRANSISTORS
				X	FOUR LAYER DEVICES AND CIRCUITS
				X	LIGHT SENSITIVE AND LIGHT EMITTING DIODES
X					OPTOELECTRONIC APPLICATIONS
			X		OPERATIONAL AMPLIFIER
X					INTEGRATED CIRCUITS
	X				SELECTED ADDITIONAL DEVICES
X					NUMBER SYSTEMS
X					GATES AND INVERTERS
X					WAVEFORMS AND BOOLEAN ALGEBRA
X					EXCLUSIVE OR GATES (XOR)
X					ADDERS
	X				IC SPECIFICATIONS
		X			FLIP-FLOPS
			X		MASTER-SLAVE D AND JK FLIP-FLOPS
				X	SHIFT REGISTERS
X					COUNTERS
				X	SCHMITT-TRIGGER INPUTS AND CLOCKS
		X			ONE-SHOTS
			X		D-TO-A AND A-TO-D CONVERSIONS
				X	DECODERS, MULTIPLEXERS, DEMULTIPLEXERS, AND DISPLAYS
				X	TRI-STATE GATES AND INTERFACING TO HIGH CURRENT

Student ratings on specific competencies evaluated during the course are available upon student's written request. Parent's or guardian's signature is necessary if student is under 18 years of age.