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 27th Day of May , 19 87

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
X					THEORY OF ENERGY
	X				SCIENTIFIC CALCULATIONS
	X				SOURCES OF ELECTRICITY
	X				CONDUCTORS, SEMICONDUCTORS, INSULATORS
		X			RESISTIVE CIRCUITS
	X				MAGNETISM
		X			METERS AND INSTRUMENTS
	X				INDUCTANCE
	X				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 READINESS SKILLS

YEAR TWO ADVANCED

4	3	2	1	0	
					ORIENTATION
					REVIEW OF FUNDAMENTALS
					DIODE CIRCUITS AND SPECIAL DIODE DEVICES
					BJT AMPLIFIER CIRCUITS
					FIELD EFFECT TRANSISTORS
					FOUR LAYER DEVICES AND CIRCUITS
					LIGHT SENSITIVE AND LIGHT EMITTING DIODES
					OPTOELECTRONIC APPLICATIONS
					OPERATIONAL AMPLIFIER
					INTEGRATED CIRCUITS
					SELECTED ADDITIONAL DEVICES
					NUMBER SYSTEMS
					GATES AND INVERTERS
					WAVEFORMS AND BOOLEAN ALGEBRA
					EXCLUSIVE OR GATES (XOR)
					ADDERS

4	3	2	1	0	
					IC SPECIFICATIONS
					FLIP-FLOPS
					MASTER-SLAVE D AND JK FLIP-FLOPS
					SHIFT REGISTERS
					COUNTERS
					SCHMITT-TRIGGER INPUTS AND CLOCKS
					ONE-SHOTS
					D-TO-A AND A-TO-D CONVERSIONS
					DECODERS, MULTIPLEXERS, DEMULTIPLEXERS, AND DISPLAYS
					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.