PROGRESS RECORD
Study your lessons in the order listed below.

Number of Lessons:155
#14B (P) Electronics Technology with Digital and Microprocessor Laboratory
Completion Time: 42 months

1 2330A Current and Voltage

2 2330B Controlling Current and Voltage

3 2333A Power Distribution

4 2333B Portable Extension Cords

5 2336A Static Electricity

6 2336B Electric Currents and Semiconductor Devices

7 2101A Fractions and Decimal Numbers

8 2101B Reciprocals, Percentage and Powers of Numbers

9 2339A The Three Basics of Electric Circuits:Voltage, Current and Resistance

10 2339B Ohm's Law, Conductors and Insulators

11 2342A Connecting and Tracing Battery Circuits

12 2342B Identifying Components

13 2342C Tracing Wiring on Printed Circuit Boards

14 2102A Roots of Numbers, Ratio and Proportion

15 2102B Inverse Proportion and Negative Numbers

16 2323A Parallel Circuits

17 2323B Equivalent Circuits

18 2323C Applications of Kirchhoff's Law

19 2324A Series-Parallel Circuits

20 2324B Voltage and Power

21 2511A Vital Statistics of AC Circuits

22 2511B Magnetism and Magnetic Circuits

23 2511C Induced Voltage and Current

24 2313A Thinking Circuits and Automatic Switches

25 2313B Relays and Robots

26 2103A Scientific Notation

27 2103B Units of Measure

28 2304A Inductance

29 2304B Mutual Inductance and Magnetic Coupling

30 2304C Transformers

31 2512A Electrical Charges and Capacitance

32 2512B Capacitors in Action

33 2403A Rectifiers and Amplifiers

34 2403B Transistor and FET Amplifiers

35 2104A Reading and Using Graphs

36 2104B Phasors and Formulas

37 1402 Reliable Soldering Techniques

38 1404 Working with Printed Circuit Boards

39 1406 Building a Siren with Flashing Light

40 1408 Using your Multimeter to Measure Resistance

41 1410 Your Personal Training Laboratory

42 1412 Series and Parallel Resistor Circuits

43 1414 Power and DC Circuits

44 2314 Simplifying Circuit Analysis by Using Kirchhoff's Laws

45 1416 Practical Applications of Kirchhoff's Laws

46 2315 Currents and Voltages in A-C Circuits

47 1418 Capacitors and Capacitive Circuits

48 2316 Resonant Circuits

49 1420 Inductors and Inductive Circuits

50 1422 Resonance and Filters

51 2401 Using Semiconductor Diodes

52 2402 Operation of Semiconductor Devices

53 1424 Working with Semiconductor Diodes

54	2503	Unregulated Power Supplies
55	2404	Operation of Tubes and Transistors
56	2405	Amplifier Circuitry
57	1426	Fundamentals of Transformers
58	1428	Unregulated Power Supply Characteristics
59	2412	How to Work with Transistors
60	1430	Transistors, Part I
61	1432	Common-Emitter Amplifier Characteristics
62	1434	Transistors, Part II
63	2601	Audio Amplifiers and Equipment
64	2431	Operational Amplifiers
65	1436	Operational Amplifiers Characteristics
66	1438	Silicon-Controlled Rectifiers and Unijunction Transistors: Theory and Applications
67	3610	Regulated Power Supplies
68	1440	Regulated Power Supply Characteristics
69	1442	Working with FET's
70	2406	Radio Frequency Amplifiers
71	2407	Oscillators
72	1444	Sinusoidal Oscillators
73	2201	Measuring and Measuring Instruments
74	1446	Measurement Techniques Laboratory
75	3342	Circuit response to Non-Sinusoidal Waveforms
76	1448	Time Constants
77	1450	RC Filter Circuits
78	2202	Understanding & Using the Oscilloscope
79	1452	Optoelectronics
80	3463	Digital Switching Units
81	3104	Binary Coding & Computer Arithmetic

82	3464	Logic Circuit Tracing by Using Boolean Algebra
83	3466	Digital IC Families w/ Practical Operating Requir.
84	3343	Clippers, Clampers and Binaries
85	3465	Pulse Processing Circuits
86	1454	Multivibrators
87	3467	Important Digital Integrated Circuits
88	1456	555 Timing Circuits
89	3468	Digital Systems & How to Troubleshoot Them
90	1458	Electromagnetism and Relays
91	2607	Systematic Troubleshooting
92	1260	Basic Gates
93	1262	Practical Digital Circuits
94	1264	Sequential Logic Circuits
95	4250	Safety
96	4252	Introduction to TV
97	4254	The Television System-Functional Block Diagram
98	4256	Television Troubleshooting Techniques
99	4258	Power Supplies
100	4260	Horizontal Circuits
101	4262	High-Voltage Circuits
102	4264	Vertical Circuits
103	4266	Tuners
104	4268	Intermediate Frequency Amplifiers
105	4270	Video Circuits and the CRT
106	4272	AGC Circuits
107	4274	Synchronization Circuits
108	4276	Introduction to Color Television
109	4278	Color Circuits
110	4280	Color Symptom Troubleshooting

111	4282	Color TV Setup
112	4284	Sound Circuits
113	2608	Advanced Troubleshooting Techniques
114	5510	Introduction to Digital Electronics
115	5512	Number Systems
116	5514	Fundamentals of Boolean Algebra
117	5516	Karnaugh Maps
118	5518	NOR and NAND Gate Circuits
119	5520	Discrete Logic Gates
120	5522	Digital Integrated Circuits
121	5524	Digital Flip-Flops
122	5526	One-Shots, Astables, and Schmitt Triggers
123	5528	Counter Design
124	5530	Modulus Counters
125	5532	Shift Registers and Counters
126	5534	Binary Codes and Converters
127	5536	Multiplexers - Demultiplexers
128	5538	CMOS Digital Logic
129	5540	Digital Interfacing
130	5542	ROMs, PROMs and PLAs
131	5544	Introduction to Computers & Microprocessors
132	5345	Oscilloscope Measurements
133	5346	Oscilloscope Triggering
134	5347	Oscilloscope Analysis of Analog & Digital Circuits
135	5376	Registers
136	5378	Arithmetic Logic Units
137	5380	Timing And Control
138	5382	Memory Units
139	6602	Introduction to Computer Hardware

140		6604	Introduction to Computer Software
141		6606	Computer Arithmetic
142		6608	68HC11 Programming - Part A
143		6610	68HC11 Programming - Part B
144		6612	Branching and Loops
145		6614	Indexing through Memory
146		6616	Subroutines
147		6618	Reading Assembly Listings
148		6620	Memory Systems I
149		6622	Memory Systems II
150		6624	General Purpose I/O
151		6626	HC11 Interrupts and Resets
152		6628	Analog Capture - Port E
153		6630	Timed Events - Port A
154		6632	Serial Communication - Port D
155		6634	C Programming and the HC11
		3700	Associate-Level CET Study Guide
	*	3760	Supervised Examination