

Cleveland Institute of Electronics, Inc.

1776 East 17th Street • Cleveland, Ohio 44114 • (216) 781-9400 • www.cie-wc.edu

"Electronics Education of Tomorrow"

A Degree-Granting Institution

ENROLLMENT CONFIRMATION FORM

This document confirms that you are enrolled in the following CIE Course:

#4 Wireless and Electronic Communications

Your student number consists of two or three introductory letters and ten digits. You should use it on everything you send to the school. The first line is your CIE Student Number.

STUDENT NUMBER

Check your name and address as recorded above. Please notify us of any corrections.

The Progress Record form enclosed lists the order of study for your course. Be sure you are studying lessons in the correct order.

TAKING YOUR FIRST EXAMINATION - 2 options

1. On-line option at www.study-electronics.com

You have the option to take all your exams on-line whenever you want. Simply follow the instructions listed on our e-grade site and your graded exam will be e-mailed back to you once your test has been processed. (Normally 24 hours.) To take advantage of this option visit www.study-electronics.com today!

2. Mail Option

When you finish studying your lesson, download an Answer Sheet at www.study-electronics.com and fill in your name, address, student number, social security number and volume or lesson number.

Follow the directions carefully and completely fill-in the oval representing your answer. When you have finished the examination(s) mail them to CIE, 1776 E. 17th St., Cleveland, OH 44114.

Some students study at a fast pace and send us several examinations at a time. That's fine! Others study at a slower pace. If you are one of these, you may wish to send each examination to us when you finish it. Whether you study at a fast or slow pace, if you send your examinations to us on a regular basis it will keep you involved with your course and in active contact with our Instruction Department. (If you have any questions or comments for your instructors, include these too.)

When you receive back your graded examination, enter your grade and date of examination on the progress record form.

Progress Record

Study your lessons in the order listed below. As graded examinations are returned to you, enter your grade in the space below. Set a schedule for yourself then watch your progress.

Course 4 (J) – Wireless and Electronic Communications

Number of Lessons: 84. Completion Time: 24 months.

Seq.	Lesson #	Lesson Title	Date	Grade
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 & Powers of Numbers		
9	2339A	3 Basics of Electric Circuits: Voltage, Current & 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		

Seq.	Lesson #	Lesson Title	Date	Grade
28	2304A	Inductance		
29	2304B	Mutual Inductance & Magnetic Coupling		
30	2304C	Transformers		
31	2512A	Electrical Charges and Capacitance		
32	2512B	Capacitors in Action		
33	2403A	Rectifiers and Amplifiers		
34	2403B	Transistors and FET Amplifiers		
35	2104A	Reading and Using Graphs		
36	2104B	Phasors and Formulas		
37	2314	Simplifying Circuit Analysis by using Kirchoff's Laws		
38	2315	Currents and Voltages in AC Circuits		
39	2316	Resonant Circuits		
40	2401	Using Semiconductor Diodes		
41	2402	Operation of Semiconductor Devices		
42	2503	Unregulated Power Supplies		
43	2404	Operation of Tubes and Transistors		
44	2405	Amplifiers		
45	2412	How to Work with Transistors		
46	2601	Audio Amplifiers and Equipment		
47	2406	Radio Frequency Amplifiers		
48	2407	Oscillators		
49	2431	Operational Amplifiers		
50	2201	Measuring Instruments		
51	2202	Understanding and Using the Oscilloscope		
52	3610	Regulated Power Supplies		
53	2607	Systematic Troubleshooting		
54	2408	Modern Modulation Methods		
55	2409	Detection and Frequency Conversion		
56	2603	Receiving Equipment		
57	2502	Batteries, Control Motors, & Other Power Sources		
58	2301	Frequency Modulation		
59	2306	Transmission Lines & Wave Guides		
60	2307	Antennas and Wave Propagation		
61	2602	Transmitters		
62	2609	Suppressed-Carrier Modulation & Single Sideband Transmission		
63	2610	RF Amplifier Analysis		
64	2604	Microwave Communications Systems		

Seq.	Lesson #	Lesson Title	Date	Grade
65	3670	Monochrome and Color TV		
66	3234	Programmable Controllers		
67	3721A	FCC Review Lessons Element 1 Part 1		
68	3721B	FCC Review Lessons Element 1 Part 2		
69	3705A	Pointers & Practices for Passing FCC G.C. Exam Part 1		
70	3705B	Pointers & Practices for Passing FCC G.C. Exam Part 2		
71	2626	Digital & Data Communications		
72	3810	Lasers in Communications & Industry		
73	3820	Communications by Fiber Optics		
74	2413A	Introduction to Wireless Communication		
75	2414A	How Wireless Works		
76	2605A	Understanding Wireless Radio Frequency Communications		
77	2620A	Infrared		
78	2621A	Bluetooth		
79	2622A	Low Speed Wireless Local Area Network		
80	2623A	High Speed WLANs and WLAN Security		
81	2624A	Digital Cellular Phones		
82	3341A	Fixed Wireless		
83	3676A	Wireless Communication in Business		
84	3677A	History of Wireless Communication & Technical Summaries		
*	3700OPT	Associate-Level CET Study Guide Optional exam. Not required for graduation and not graded. Provided upon student request.		

Revised 1/19/2009