

Ordering Procedures

Place your order through the Online Bookstore - http://bit.ly/etA_Store

No Telephone Orders - If you are unable to order through the online bookstore please reach out to Customer Service.

You Will Be Billed For Duplicate Orders – Be careful not to send the same order twice, as the electrical training ALLIANCE will assume they are separate orders. In the event that this does occur, the electrical training ALLIANCE will credit the duplicate invoice, ONLY AFTER ALL THE DUPLICATE MERCHANDISE HAS BEEN RETURNED UNDAMAGED. You will be responsible for all shipping charges for the returned merchandise.

Next Day Air Orders - Orders received AFTER 2:00PM EST will be processed the next business day.

Receiving Shipments

You Have 30 Days To Report Missing Or Damaged Merchandise -

The *electrical training ALLIANCE* will not replace any item after 30 days from the date of the shipment. After 30 days, you have purchased the missing merchandise.

Check All Shipments – Always count the number of cartons you receive and only sign for what you count. The *electrical training ALLIANCE* cannot replace materials contained in a carton you signed for but did not receive. We track every carton sent on each order.

Use The Enclosed Packing List – Every shipment includes a packing list of all the items shipped and any items that are on backorder. Contact our office immediately if there are any discrepancies between the packing list and the actual shipment.

Return Privileges

Do Not Over-Order - The electrical training ALLIANCE will not accept returns of unused merchandise for refunds.

Damaged Or Defective Merchandise – Damaged or defective merchandise will be replaced immediately only if the *electrical training ALLIANCE* is notified within 30 days of the shipment. Upon receiving damaged, defective merchandise, or materials that you did not order, notify the *electrical training ALLIANCE* as soon as possible. The *electrical training ALLIANCE* will immediately replace any damaged or defective merchandise, as well as supply you with an AUTHORIZED RETURN LABEL from UPS to return the damaged or defective items.

Absolutely No Returns For A Refund

The electrical training ALLIANCE will replace damaged or defective material, but there will be NO MONETARY REFUNDS!

The electrical training ALLIANCE works diligently to provide the highest quality, most up-to-date curriculum. As a result, during an NEC cycle year, we strive to adjust all of our materials to reflect the latest edition of the Code. We strategically "roll-out" the new curriculum based on our understanding of the material the student purchased in the prior year(s). For example, a 5th year student who has a purchased 2020 Code Calculations textbook is not expected to buy a 2023 Code Calculations textbook.

electrical training ALLIANCE Customer Service

Phone 888.652.4007 info.interimcredentials.com

ii

TABLE OF CONTENTS

Curriculum Updates	iv
Bookstore	vii
Interim Credentials	1
Topics	
Interim Credentials	2
Applied Codeology	
Constructing Your Future	
Construction Drawings	
Electrical Job Information	
Electrical Theory	
Optional Topics	3
Harassment Prevention: Awareness and Responsibilities 2023 - CML	
Reading Comprehension - CML	
Tech Math - CML	
Optional Resources	4
Applied Codeology 2023 Textbook	
Architectural Scale	
Building A Foundation in Mathematics Textbook	
Commercial Print Set	
Construction Drawings Textbook	
electrical training ALLIANCE Architectural Scale	
Klein Tool Kit	
2023 National Electrical Code	
Student Notebook	
TI-30X IIS Solar Calculator	
Ugly's Electrical References, 2023 Edition	
Syllabus	6

CURRICULUM UPDATES

The electrical training ALLIANCE released a new generation of the Electrical Interim Credential courses for the 2023-2024 school year.

Interim Credential Topics	Notes
Constructing Your Future - CML	Replaces Orientation
▶ Electrical Job Information 1	Replaces Job Information
Applied Codeology, Navigating the 2023 NEC - CML	Replaces previous Codeology editions
▶ Electrical Theory 1: Direct Current - CML	Replaces DC Theory
Construction Drawings - CML	Replaces Blueprints
**Reading Comprehension - CML	**Optional Support Training
**Tech Math - CML	**Optional Support Training
**Harassment Prevention: Awareness and Responsibilities 2023 - CML	**Optional Support Training

The PTSI Online Learning System (OLS) is the new home to the Interim Credential program. All five topics have been updated and redesigned to reflect changes to the National Electrical Code® (NEC®) and the content taught in our affiliated training centers. These five topics have new names, are easier to navigate, and provide easier access to reporting. Previously, these topics were presented as five separate courses. In the new PTSI version we have combined all five into one course, utilizing the same exact content our 1st year apprentices are required to learn. This change means that if an individual earns the Interim Credential and is accepted into one of our affiliated apprenticeship programs, they will have already taken most of the courses required during their first year in the program, which can result in advanced placement in the apprenticeship program. Benefits of earning the Interim Credential prior to application vary from training center to training center.

The new OLS comes with new features that were previously unavailable through the old LMS, including:

- Online bookstore where school administrators/teachers can purchase the new Interim Credentials content and access required for users
- The ability to purchase additional courses and materials to supplement the Interim Credentials curriculum, if needed
- All required materials will be available in one easy kit for purchase per user

CURRICULUM UPDATES

What to look for in the New Generation of electrical training ALLIANCE courses...

Computer Mediated Learning (CML) is more than a course construct. It is an instructional delivery approach that includes many resources beyond the new PTSI - OLS and its associated resources like a calendar widget, mobile app, notifications system, discussion forums, course assignments, custom local course building, and more. The "New Generation of LMS Courses" incorporate the following:

Course Instructions

Video or PDF instructions for how to navigate, share expectations, and give helpful insights into how to succeed using the course.



Course Instructions for Construction Drawings

Lesson Introduction

Updates using lesson introductory information to communicate to the student what to expect, helpful hints, and more.



Updated Introductory Information

Module Instructions

Instructions near content based on the completion of prior items. This supports learners in making sure they have reviewed the immersive training resources prior to accessing items like quizzes.



"Not available unless..." communications

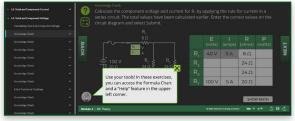
CURRICULUM UPDATES



Instructor Course Guides

Course Guides

Course guides located in the instructor resources area that communicate important aspects of the course, a description of the construct and components, and an overview for the training.



New Generation of Course Modules

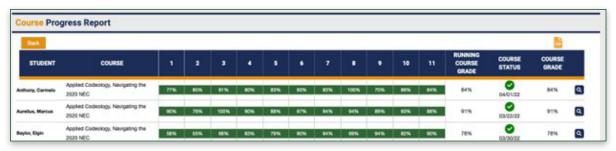
Course Modules

Varying amounts of onscreen text, narration, animations, videos, interactive knowledge checks, student remediation, practice tools, and step-by-step explanations.



Progress Reports

Specially designed reporting to support administrators and instructors with details regarding the progress students are making in completing the courses.



New Course Completion Tracking

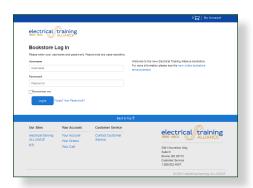
BOOKSTORE

Bookstore **E**



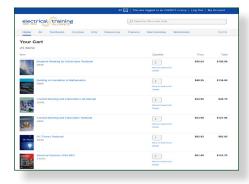
User Roles, Purchaser / Viewer

- The Admin account can make purchases, add users, control and process shopping carts from all users, view and reprint invoices, and pay open invoices.
- The Purchaser account can view all items in the bookstore, make purchases, control and process shopping carts from all users, view and reprint invoices, and pay open invoices.
- The Viewer account can view all items in the bookstore, work with and access the CLCS, and create shopping carts, but not submit orders.



Purchasing / Distributing

If your role allows for making a final purchase, you will receive your print products by the method specified.





INTERIM CREDENTIALS

All Course purchases are made in the Bookstore.

Course	Item Code
Interim Credentials	IC100LM
Student Cost - Per Student	\$315.00

Optional Courseware Available for Purchase (not included in the IC kit)

Harassment Prevention: Awareness and Resp. 2023 - CML J158LM.D

Reading Comprehension - CML J199LM

Tech Math - CML J201LM.J1

Resources

All Resource purchases are made in the Bookstore.

Optional Resources Available for Purchase (not included in the IC kit)

- 1			
	Applied Codeology 2023 Textbook	S01723	Applied Codeology
	Building a Foundation in Mathematics	S665	Supplemental
	Commercial Blueprints	S136.H	Construction Drawings
	DC Theroy Textbook	S640	Electrical Theory 1
	electrical training ALLIANCE Architectural Scale	S187	Construction Drawings
	Klein Tool Kit	KLE39076/ KLE84920	Electrical Job Information 1
	National Electrical Code® - 2023 Softbound	S1150	Applied Codeology
	Student Notebook	N202	Supplemental
	TI-30X IIS Solar Calculator	S159	Electrical Theory 1
	Ugly's Electrical Reference	S1154	Supplemental

INTERIM CREDENTIALS TOPICS



Constructing Your Future - CML

These lessons provide an overview of what to expect from construction trades apprenticeship programs. They start out with a discussion of the skills, interests, and mindset that will best serve an apprentice in a construction trades apprenticeship program. Then continues with an overview of the characteristics and benefits of different apprenticeship programs, the different construction trades, and the career paths that can open to the successful apprentice. Covers what it means to dress professionally, the hazards of drug and

alcohol abuse in the construction industry, the impact of your online image and cell phone use, considerations related to personal financial management, the importance of developing a safety mindset, and the many hazards that can be present in construction work and how to mitigate or avoid them. Finally, the lessons conclude with an exploration of the personal skills and attributes that will help an apprentice succeed in any apprenticeship program.



Flectrical Job Information 1 - CMI

In the Electrical Job Information 1 lessons, you will learn about the typical workplace of an Electrical Worker and the importance of safety and awareness on the jobsite. You also will learn to identify some basic tools and common materials of the electrical trade. The lessons also cover the basics of insulated conductors

and teaches how to choose and install anchors and fasteners. Lessons explain the types of building construction, conductor installation, and devices and switches. The lessons close with an introduction to firestopping and sizing building wire.



Applied Codeology, Navigating the 2023 NEC - CML

The Applied Codeology, Navigating the 2023 *NEC* lessons will help you use and apply an efficient method to categorize and locate requirements in the *National*

Electrical Code® (NEC®). Through repetition and thorough understanding of the "Plan" - "Build" - "Use" concepts, you will gain confidence in using the 2023 NEC.



Electrical Theory 1: Direct Current - CML

The Electrical Theory 1: Direct Current lessons cover the electrical theory needed to work with and analyze basic Direct Current (DC) electrical circuits. Beginning with the language and component descriptions of the items that make up a common DC electrical circuit, then methodically covering how to analyze series, parallel, and finally combination (series-parallel) DC circuits. With the knowledge gained in being able to calculate component and total values for these circuit connections, the lessons then introduces applications

of DC circuits, magnetism, electromagnetism, and electrical generation. Each lesson is structured with an intro to the topic, video training, extensive practice, and notebook and success check-ins to support building confidence in learning the skill of analyzing DC circuits. Learners will navigate through the lessons by showing proficiency within each topic and will have plenty of opportunity to practice each new skill before progressing to each successive topic. A final lesson includes a lab area for both simulator and hands-on circuit practice.



Construction Drawings - CML

Because nearly all construction projects are defined to a high degree of accuracy through the use of drawings long before the project begins, the ability to read and accurately interpret them is one of the most important skills for Electrical Workers. Construction drawings is a broad term that encompasses not only two- and three-dimensional drawings, but also 360-degree images and three-dimensional renderings, which can be manipulated by the construction worker to obtain a better understanding of the design intent for the project. The learner will be given the skills to utilize and interpret each of these types of construction drawings.

OPTIONAL TOPICS

Harassment Prevention: Awareness and Responsibilities 2023 - CML J158LM.D

Each Training Committee expects its employees, apprentices, and all those who work with its employees and apprentices to treat each other with respect and dignity and to make all efforts to prevent and address harassment. The Harassment Prevention lessons are designed to address the training required by the Department of Labor and the local Training Committee in making sure its employees, apprentices, and all those who work

with its employees and apprentices fully recognize what harassment looks like, how it is defined, when and how to report it, and what the steps and responsibilities are in the need to resolve it. These lessons are designed for all audiences: current and new apprentices, Journey-level workers, staff, committee members, contractors, supervisors, and anyone else who is involved in the apprenticeship program.



Reading Comprehension - CML J199LM

Workplace reading skills are essential for success on the job. Reading to perform a task is required not just for job performance, but for worker safety. The Reading Comprehension lessons teach you effective ways to capture the most important information within a text. You'll begin with an assessment that gauges your current ability to respond to questions about a technical passage.

Then, you'll dive into best practices such as the SQ3R reading strategy, how to identify key components within a text, and how to effectively draw conclusions. You also will discover ways to connect to the text so as to establish deeper meaning, and eventually, how to apply the reading methods to working with math.



Tech Math - CML J201LM.J1

Many skills are required to successfully complete the electrical apprenticeship program and be able to function as a competent Journeyman. One such skill is the ability to apply standard mathematics in the classroom as well as on the job. The Tech Math lessons provide a review of necessary mathematical skills which are crucial to anyone working in the electrical trade. Topics include operations with whole numbers, integers, fractions, decimals, ratios, exponents, and units and measurements.



OPTIONAL RESOURCES





Applied Codeology Textbook S01723 \$ 54.80 **S01723E** \$ 54.80

Many new users of the National Electrical Code (NEC) are unfamiliar with and overwhelmed by the structure and the massive amount of information contained within it. However, the NEC has a logic that has been in place for many years. After the Electrical Worker has a gained fundamental understanding of this structure through the study and application of Codeology, the NEC becomes much easier to navigate. The Applied Codeology textbook is an invaluable resource for new learners being introduced to the

layout of the NEC, those that have been using the NEC but are preparing for a Code exam, and anyone looking to improve their skills to efficiently locate NEC requirements. Applied Codeology is not necessarily about applying the requirements within the NEC, but instead about learning and applying an efficient method to categorize and locate requirements in the NEC. The textbook is structured around the "General," "Plan," "Build," and "Use" concepts of the 2023 NEC. PPTs included.



Building a Foundation in Mathematics Textbook S665 \$ 75.29

This all encompassing textbook provides a review of necessary mathematical skills for persons working in various trades and is crucial to the electrical trade. Topics include operations with whole numbers, integers, fractions, decimals, and ratios, with step-by step examples and exercises for each procedure. More advanced topics include exponents, logarithms, and

trigonometry. The essentials of algebra, including solving equations and inequalities are covered, along with vectors and the basics of geometry. Final chapters in the text deal with binary, octal, and hexadecimal numbers and their applications, along with an introduction to Boolean algebra.



Commercial Blueprints S136.H \$ 48.30

The Commercial Blueprints in printed format may be used in the classroom.





Construction Drawings Textbook \$748 \$ 48.30 \$748E \$ 49.75

It is rare that a construction project, no matter the size, does not have some type of Construction Drawing. Whether they are formal drawings created by a team of architects and engineers or a sketch on a piece of scratch paper, construction drawings serve as the common language spoken on jobsites large and small. Since they are so persuasive and ubiquitous, the ability to properly interpret them is a core skill of any worker in the trades. From conceptual drawings to floor plans, elevations, details, schedules, and specifications, each

part further defines the design intent provided by the project's owner. The ambiguity associated with creating something new is removed by the standardized drawings and documentation of the many details necessary to achieve the exact final product that was imagined before the first hammer is swung or shovel put into the ground. Construction Drawings provides the background necessary to enable workers to both interpret drawings created by others, as well as communicate their own ideas in both a two- and three-dimensional manner.

OPTIONAL RESOURCES

electrical training ALLIANCE Architectural Scale S187 \$ 7.84

Architectural double bevel ruler with plastic scales on the front and the scales printed directly on the wooden back.

Front Scales: 1/8" - 1/4" & 1/2" - 1" Back Scales: 3/8" - 3/4" & 11/2" - 3"



2023 National Electrical Code® S1150 \$ 93.71

Be prepared to comply in the new era for electrical safety. The *NEC* establishes requirements for electrical wiring and equipment in virtually all buildings. The world's most important document is revised based on new technology and industry needs. Users will see greater consistency in

grounding and bonding terminology, shading behind revised text to see what is new at a glance, and identifiers at the top of each page in the *NEC* for speedier referencing.



Student Notebook

N202 \$ 8.34

This student notebook is a recommended tool for the Electrical Theory 1: Direct Current lessons. The student will utilize this notebook to take notes and use a reference to answer knowledge check questions.



TI-30X IIS Solar Calculator \$159 \$ 19.40

This scientific calculator is used for basic scientific, trigonometric functions, logarithms, reciprocals

and more. The calculator includes slide-on hard case and two-line display for easy reading



Ugly's Electrical References, 2023 Edition S1154 \$ 15.65

Ugly's Electrical References, 2023 Edition is designed to be used as an on-the-job reference. Used worldwide by electricians, engineers, contractors, designers, maintenance workers, instructors, and the military; Ugly's contains the most commonly required electrical information in an easy-to-read and easy-to-access format. Ugly's

presents a succinct portrait of the most pertinent information all electricians need at their fingertips, including: mathematical formulas, *National Electrical Code* tables, wiring configurations, conduit bending, voltage drops, and life-saving first aid procedures.



SYLLABUS

1	Constructing Your Future (CYF): About this Topic
2	CYF: What to Expect
3	CYF: Opportunities Abound
4	CYF: Personal Responsibilities & Expectations
5	CYF: Safety Never Takes a Break
6	CYF: What it Takes to Succeed
7	CYF: Topic Assessment
8	Electrical Job Information 1 (EJI-1): About this Topic
9	EJI-1: Safety and Awareness in the Workplace of an Electrical Worker
10	EJI-1: Identifying Some Basic Tools and Common Materials of the Electrical Trade
11	EJI-1: Basics of Insulated Conductors
12	EJI-1: Choosing and Installing Anchors and Fasteners
13	EJI-1: Types of Building Construction
14	EJI-1: Conductor Installation
15	EJI-1: Devices and Switches
16	EJI-1: Introduction to Firestopping
17	EJI-1: Sizing Building Wire
18	EJI-1: Topic Review
19	EJI-1: Topic Assessment
20	Applied Codeology, Navigating the 2023 NEC: About this Topic
21	App. Codeology: Overview, Organization, and Chapter 1 of the National Electrical Code
22	App. Codeology: Planning the Installation
23	App. Codeology: Building the Installation
24	App. Codeology: Using the Electricity
25	App. Codeology: Special Occupancies

SYLLABUS

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26	App. Codeology: Special Equipment
27	App. Codeology: Special Conditions
28	App. Codeology: Communications
29	App. Codeology: Tables and the Informative Annexes
30	App. Codeology: The Codeology Method
31	App. Codeology: Topic Assessment
32	Electrical Theory 1: Direct Current (ET1): About this Topic
33	ET1: Introduction to DC Theory: Terminology and the Basics
34	ET1: Series Circuits
35	ET1: Parallel Circuits
36	ET1: Combination
37	ET1: DC Circuit Analysis
38	ET1: Switches and Conductors
39	ET1: Magnetism and Electromagnetism
40	ET1: Optional Support - Labs
41	ET1: Topic Assessment
42	Construction Drawings (CD): About this Topic
43	CD: Introduction to Blueprints and the Design Process
44	CD: Scaling and Dimensions
45	CD: Plan Views
46	CD: Elevations
47	CD: Details and Sections
48	CD: Schedules and Specifications
49	CD: Topic Assessment

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