

TRAINING
PROGRAM
NTI 2017 Update



Jason Lunardini

20 Year Member of IBEW Local 5 – Pittsburgh Served 5 year Apprenticeship in Pittsburgh 9 Years as a local instructor

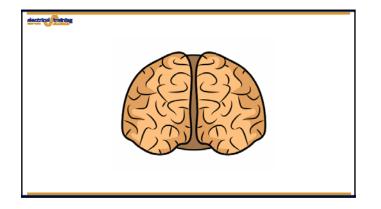
Instrumentation Curriculum Specialist

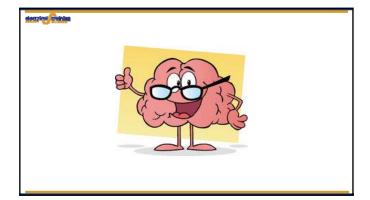
Textbook LMS Courses FLUKE Instrumentation Academy Assist with Program Set-Up Develop New Labs Certification Exam



jlunardini@electricaltrainingalliance.org

What is the program?	





electrical training

Questions?

Contact:

Jason Lunardini

jlunardini@electricaltrainingalliance.org 301.715.2312





What is the program?

• Joint Venture between the IBEW and the UA (United Association of Pipefitters) to train Instrumentation Techs.

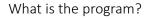




What is the program?

- Joint Venture between the IBEW and the UA (United Association of Pipefitters) to train Instrumentation Techs.
- Certification is owned by the Joint Venture







- Joint Venture between the IBEW and the UA (United Association of Pipefitters) to train Instrumentation Techs.
- Certification is owned by the Joint Venture
- The training is optimized for our use.

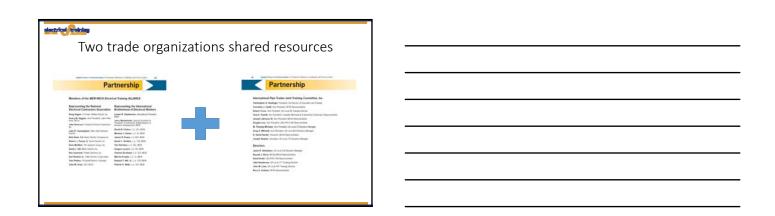
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Fundamentals of Instrumentation Text • Current text in use today	

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Current text in use today	
Phase out will begin following NTI 2017	
Will no longer be available for Journeyman classes as of the fall 2017	
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Fundamentals of Instrumentation Text	
Current text in use today	
Phase out will begin following NTI	
 Will no longer be available for Journeyman classes as of the fall 2017 	
Will continue to be available for apprenticeship classes for 2017-2018 school year	
 Due to the LMS roll out schedule, 5th year classes are not in the LMS yet 	

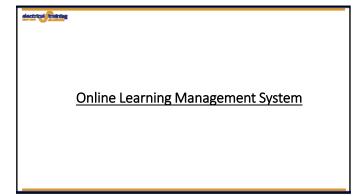
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APPLIED SCIENCE of INSTRUMENTATION TEXT	
• Joint effort with the UA Education and Training Department	

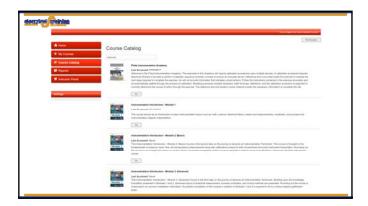
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APPLIED SCIENCE of INSTRUMENTATION TEXT	
 Joint effort with the UA Education and Training Department 	
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APPLIED SCIENCE of INSTRUMENTATION TEXT	
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 Joint effort with the UA Education and Training Department 	
 Initially a merger of texts, resulted in 95% new textbook 	
 Primary author is Paul Meyers out of Indianapolis Local 481 	
 Currently available in the bookstore as Item S600 at a cost of \$55.00 	
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	What makes this b	oook unique?			
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	Members of the IBEW-NECA Electr	rtnership			
	Representing the National Electrical Contractors Association	Representing the International Brotherhood of Electrical Workers			
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	Core McAller, The Separate Group, Inc., David J. Gilf, Mono Electric Mr., Ron Guarriest, Parable Cherter, Inc., East Reserve Jr., Faller Streich: Corporation Tone Parker, O'Corned Streich: Company John M. Grae, CICI, NICA.	Tim Machina, Lii. 252, 80 W Gregory Locera, Lii. 66, 80 W Charles Dockshom, Lii. 322, 80 W Marrish Kropiek, Lii. 312, 80 W Houard T. Hii, Jr., Lii. 328, 80 W Patrick N. Wells, Lii. 347, 80 W			_



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What makes this book unique?	
Two trade organizations shared resources	
Designed to offer a smooth transition with the LMS	
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What makes this book unique?	
Two trade organizations shared resources	
Designed to offer a smooth transition with the LMS	
Implemented QR codes to quickly get to additional info including	
videos and related LMS pieces	
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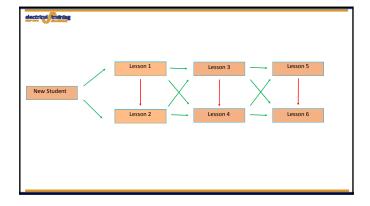
Online Learning Management System •Introduction to Instrumentation: Module 1 •Self guided- essentially no instructor

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Online Learning Management System	
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 Available and in use since April of 2016 	
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Online Learning Management System	
•Introduction to Instrumentation: Module	
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•Available and in use since April of 2016	
•Worth 2 Credits in the CLCS	
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Online Learning Management System	
•Introduction to Instrumentation: Module	
1 •Self guided- essentially no instructor	
•Available and in use since April of 2016	

•Worth 2 Credits in the CLCS

•Designed to be used at the discretion of a program and training director.

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	Course Syllabus		
	Lesson 1: Math Pre-Test Assessment	Open	
	Lesson 2 Math	Open	
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	Lesson 12: Final Exam	Open	
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Lessor	n 5: Electrical Theory Pre-Test Assessment		
Lesson	n 6: Electrical Theory		
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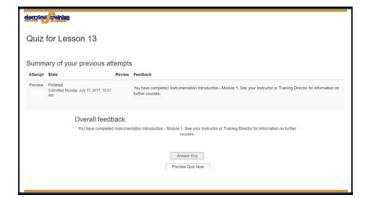


described Statement
Online Learning Management System

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MODULE 1 Locking and Credits

- Serves 2 purposes
 - JW ranking tool
 - Apprentice practice without taking more class time
- Pre exams
 - Can be used as preassessment
 - Can be used to allow "jumping" of lessons
 - Feedback is <u>NOT</u> given, that is at the discretion of a program.
- Final exam response:



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Online Learning Management System

- Instrumentation Course 2: The Basics
 - Works in parallel with "AS of I" text for Chapters 1-10
 - Covers about 75% of necessary knowledge

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Online Learning Management System

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 - Covers about 75% of necessary knowledge
 - Available simultaneously with text release

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Online Learning Management System

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 - Available simultaneously with text release
 - •Incorporates videos and animations as related to each lesson

Online Learning Management System

- Instrumentation Course 2: The Basics
 - Works in parallel with "AS of I" text for Chapters 1-10
 - Covers about 75% of necessary knowledge
 - Available simultaneously with text release
 - Incorporates videos and animations as related to each lesson
 - •5 credits assigned in CLCS

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Online Learning Management System

- Introduction to Instrumentation: Module 1
- Instrumentation Course 2: The Basics
- •Instrumentation Course 3: The Advanced
 - •Works in parallel with "AS of I" text Chapters 11-14 utilizing the same features as Course 2

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Online Learning Management System

- Introduction to Instrumentation: Module 1
- Instrumentation Course 2: The Basics
- •Instrumentation Course 3: The Advanced
 - •Works in parallel with "AS of I" text Chapters 11-14 utilizing the same features as Course 2
- •2 Credits assigned in the CLCS

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Applied Science Train-The-Train	<u>er Schedule</u>	-
Harriman, New York September 2	1-22, 2017	
Las Vegas October 12-2		
Portland, Oregon October 16-2		
Tampa, Florida November 1		
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www.electricaltrainingevents.org		
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Part A Theory Exam	ination	
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Part A Theory Examination		
		
Current exam		
1 part exam consisting of 200 questions Open reference exam using published materials		
 Open reference exam using published materials Minimum passing score of 75% 		
 Proctored using a third party service 		
3.5 Hour Maximum Test Duration		
 New exam parameters as of APRIL 1, 2017 Closed reference exam except for one published reference 	nce resource provided	
by the exam committee	nice resource provided	
 Minimum passing score of 80% Increased allotted test duration to 4 hours 		
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Part A Theory Examination Former Exam Prior to April 1, 2017 1 part exam consisting of 200 questions Open reference exam using published materials Minimum passing score of 75% Proctored using a third party service 3.5 Hour Maximum Test Duration	
Part A Theory Examination • New Exam Procedures effective April 1, 2017	
 Closed reference exam except for one published reference resource provided by the exam committee Minimum passing score of 80% Increased allotted test duration to 4 hours 	

Part A Theory Examination

- Additional parameters to be released as they are finalized
 - Availability in 3 parts to match course structure
 Availability to be administered online

 - Elimination of the third party proctor
 Proctors to be supplied by the JATC and trained by the electrical training ALLIANCE

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Part B Hands-On Examination

- Additional parameters to be released as they are finalized
 - Availability in 3 parts to match course structure
 Availability to be administered online

 - Elimination of the third party proctor
 - Proctors to be supplied by the JATC and trained by the *electrical training ALLIANCE*

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Questions?

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