

2025 RMEMA Meter School Schedule

Monday March 17, 2025

TIME: 8:00 - 9:00 AM <i>Registration / Check In</i> LORY STUDENT CENTER, Grand Ballroom PreFunction				
TIME: 9:00 - 10:00 AM <i>Opening General Session - Welcome & Keynote</i> , Dr. David Gattie, Professor of Electrical Engineering at the University of Georgia Student Center Ballroom BCD				
BASIC	INTERMEDIATE	ADVANCED	HANDS ON (pre-registration required for GTD space*)	GETTING STARTED Monday March 17th only
Never No Summer Ballroom	Room 386	Room 390	Room 376/378	Room 384
Adam Cash	Chad Stanley	Meredith Peterson	Lester Oltjenbruns / Troy Foust	Rudy Trujillo
TIME: 10:15 AM - 12:15 PM	TIME: 10:15 AM - 12:15 PM	TIME: 10:15 - 12:15 PM	TIME: 10:15 - 11:00 AM	TIME: 10:15 - 12:15 PM
<i>Basic Principals of Electricity - Part 1</i> Instructor: Michael Randall	<i>Meter Forms and Applications - Part I</i> Instructor: Mike Arias	<i>Advanced Metering Mathematics - Part I</i> Instructor: Tom Ghidossi	<i>Harmonics</i> Instructor: Randy Campbell Location: LSC Room 376/378	PART 1 Metering - Then and Now Instructor: Rudy Trujillo
			11:00 - 12:15 PM	
			TIME: 11:45 - 12:15 PM Electric Vehicle Charging and its Impact- Demo Meet at Room 376/378 and group will walk over to charging site (approx. 3 min walk) Demo By: Dan Hollow	

TIME: 12:15 PM - 1:15 PM			TIME: 12:15 PM - 1:00 PM	
Lunch				
12:45 - 1:00 PM <i>RMEMA Updates and Announcements</i>				
TIME: 1:30 - 3:30 PM	TIME: 1:30 - 3:30 PM	TIME: 1:30 - 3:30 PM	1:30 - 2:30 PM	TIME: 1:00 - 3:15 PM
<i>Basic Principals of Electricity - Part II</i> Instructor: Michael Randall	<i>Meter Forms and Applications - Part II</i> Instructor: Mike Arias	<i>Advanced Metering Mathematics - Part II</i> Instructor: Tom Ghidossi	<i>Test Switch Operations</i> Instructor: Dan Hollow	<i>PART 2 Terminology</i> Instructor: Rudy Trujillo
			TIME: 2:30 - 3:30 PM	
			<i>Meter Service Verification</i> Instructor: Martin Hiatt University Ballroom	
3:30 - 3:45 PM Break	3:30 - 3:45 PM Break	3:30 - 3:45 PM Break	3:30 - 3:45 PM Break	TIME: 3:15 - 3:30 IN ROOM BREAK
TIME: 3:45 - 5:45 PM	TIME: 3:45 - 5:15 PM	3:45 - 5:45 PM	3:45 - 4:30 PM	TIME: 3:30 - 5:00 PM
<i>Basic Meter Related Definitions and Mathematics</i> Instructor: Adam Cash	<i>Intermediate Understanding Instrument Transformers</i> Instructor: Christopher Campbell	<i>Substation Protection & SCADA</i> Instructor: Donnie Elgin	<i>Solar Class</i> Instructor: Michael Randall	<i>PART 3 Rates</i> Instructor: Rudy Trujillo
			TIME: 4:30 PM MEET AT LSC ROOM 376/378	
			<i>Walking Tour of CSU Solar Panels on Campus</i> Lead by: Michael Randall	TIME 5:00 - 5:45 PM
				<i>PART 4 Safety and Related Equipment Most Commonly Asked Questions</i> Instructor: Rudy Trujillo
RMEMA Welcome Reception In the Exhibit Hall Ballroom BCD				

*Hands on sessions require preregistration due to maximum participant limits and the hands on work stations. If you are not pre-registered and wish to attend one of their sessions, you are welcome to do so based on available space. Available space to be determined by the room moderator.

2025 RMEMA Meter School Schedule

Tuesday March 18, 2025

TIME: 7:00 - 8:30 AM

Breakfast with Vendors in the Exhibit Hall
Lory Student Center Ballroom BCD

BASIC	INTERMEDIATE	ADVANCED	HANDS ON (pre-registration required for GTD space*)	Software Sessions
Never No Summer Ballroom	Room 386	Room 390	University Ballroom	SEE BELOW LSC=Lory Student Center
Adam Cash	Chad Stanley	Meredith Peterson	Lester Oltjenbruns / Troy Foust	
TIME: 8:45 - 10:15 AM Self-Contained Meter Forms Instructor: Christopher Campbell	8:45 - 9:45 AM <i>Load Profile Metering</i> Instructor: Will Elliott	TIME: 8:45 - 10:00 AM <i>Explore the Digital Side - Solid State Metering</i> Instructor: Dan Nordell	TIME: 8:45 - 11:45 AM University Ballroom Rotations: a: Self-Contained meters, b: Wiring 5s/8s/6s/9s and c: Primary Instrument Transformer Wiring	
TIME: 10:15 - 11:45 AM <i>Evolution from Electro-Mechanical to Electronic Metering</i> Instructor: Bryan Ehrlich	TIME: 9:45 - 11:30 AM <i>AC Power Efficiency</i> Instructor: Will Elliott	TIME: 10:00 - 11:30 AM <i>Advancements in CT Technology for Revenue Enhancement</i> Instructor: Chris Zaphiris	10:45 - 11:15 AM 11:15 - 11:45 AM University Ballroom Pulse Values Instructor: Christopher Campbell Pulse Values Instructor: Christopher Campbell	
TIME: 11:45 AM - 12:30 PM Lunch				
Student Center Ballroom B,C&D				
TIME: 12:30 - 1:45 PM Select Hands On(University Ballroom), Software(rooms 322,324,372/374 and 376/378) or RF Interference and Human Safety for Metering (Room 386)	TIME: 12:30 - 1:45 PM Select Hands On(University Ballroom), Software(rooms 322,324,372/374 and 376/378) or RF Interference and Human Safety for Metering (Room 386)	TIME: 12:30 - 1:45 PM Select Hands On(University Ballroom), Software(rooms 322,324,372/374 and 376/378) or RF Interference and Human Safety for Metering (Room 386) Instructor: Michael Randall	12:30 - 1:45 PM Select Software(rooms 322,324,372/374 and 376/378) or RF Interference and Human Safety for Metering (Room 386) Instructor: Michael Randall	12:30 - 2:45 PM Software Session a. Itron- LSC ROOM 322 b. Honeywell/Elster - LSC ROOM 324 c. Aclara / G.E. - LSC ROOM 372/374 d) Landis + Gyr- LSC ROOM 376/378
TIME: 2:00 - 3:00 PM <i>Introduction to Socket Connection and Verification</i> Instructor: Rudy Trujillo	TIME: 2:00 - 3:00 PM <i>Field Certification of Revenue Metering Sites</i> Instructor: Martin Hiatt	TIME: 2:00 - 3:00 PM <i>Advanced Metering</i> Instructors: John Vandenburg	2:00 - 3:00 PM University Ballroom Rotations: a: Self-Contained meters, b: Wiring 5s/8s/6s/9s and c: Primary Instrument Transformer Wiring	
TIME: 3:00 - 3:30 PM Break with Vendors in the Exhibit Hall Lory Student Center Ballroom BCD				TIME: 3:00 - 3:30 PM Exhibit Hall / Vendor Show Open Lory Student Center Ballroom BCD
TIME: 3:45 - 4:45 PM <i>Recognition of Service Problems</i> Instructor: Rudy Trujillo	TIME: 3:45 - 4:45 PM <i>Introduction to Electrical Codes</i> Instructor: Michael Randall	3:45 - 5:00 PM <i>Mitigating Risks during AMI Deployment</i> Instructor: Randy Campbell	TIME: 3:45 - 5:00 PM University Ballroom Rotations: a: Self-Contained meters, b: Wiring 5s/8s/6s/9s and c: Primary Instrument Transformer Wiring	
		5:00 - 5:45 PM <i>Review of Electricity Reference Standards, Accuracy and Traceability</i> Instructor: Randy Campbell	*Hands on sessions require preregistration due to maximum participant limits and the hands on work stations. If you are not pre-registered and wish to attend one of their sessions, you are welcome to do so based on available space. Available space to be determined by the room moderator.	

2025 RMEMA Meter School Schedule

Wednesday March 19, 2025

TIME: 7:30 - 8:00 AM LIGHT BREAKFAST Outside classrooms			
BASIC	INTERMEDIATE	ADVANCED	HANDS ON (pre-registration required for GTD space*)
Never No Summer Ballroom	Room 386	Room 390	Room 376/378
Adam Cash	Chad Stanley	Meredith Peterson	Lester Oltjenbruns / Troy Foust
TIME: 8:00 - 9:30 AM <i>Safety - Part I, Meter Safety</i> Instructor: Terry Gaiser	TIME: 8:00 - 9:30 PM <i>Meter Data Telemetry Technologies in Advanced Revenue Meter Applications</i> Instructor: Dan Hollow	TIME: 8:00 - 9:30 AM <i>Net Metering/Renewable Energy and the Utility Industry</i> Instructors: Bryan Ehrlich & Kyle Keckler	Time: 8:00 - 9:30 AM <i>Selection, Use and Care of Arc Rated Clothing</i> Instructor: Derek Sang
TIME: 9:30 - 9:45 AM REFRESHMENT BREAK	TIME: 9:30 - 9:45 AM REFRESHMENT BREAK	TIME: 9:30 - 9:45 AM REFRESHMENT BREAK	TIME: 9:30 - 9:45 AM REFRESHMENT BREAK
TIME: 9:45 - 10:45 AM <i>Safety Part II, Personal Protective Equipment</i> Instructor: Kevin Licano TIME: 10:45 - 11:30 AM <i>Electricity Reference Statndards, Accuracy and Traceability</i> Instructor: Randy Campbell	TIME: 9:45 - 11:30 AM <i>Integrated Communications</i> Instructor: Jeff Barlow	TIME: 9:45 - 11:45 AM <i>Power Quality</i> Instructor: Dan Nordell	TIME: 9:45 - 10:45 AM <i>Similating Real World Metering Conditions</i> Instructor: Dan Hollow Time: 10:45 - 11:30am <i>High Accuracy/Extended Range CT's</i> Instructor: Ryan Alkire
TIME: 11:30 AM - 12:30 PM LUNCH LSC Ballroom CD			

SPECIAL INTEREST BREAKOUT SESSIONS

TIME 12:45 - 1:30 PM (Select One)

Never No Summer Ballroom	Room 386	Room 390	Room 376/378	Room 322
Session 1A - Utility Theft, Tampering and Collections Presenter: Mike Espinosa	Session 1B - Colorado Legislative Update Presenter: Kent Singer	Session 1C - SPP and Integrated Markets in the Western Interconnection Presenter: Steve Johnson	Session 1D - Distributed Energy Resources Management (DERMS) and the Virtual Powerplant Presenter: Zach Borton	Session 1E - Impacts of Residential EV Charging on Utility Operations Presenter: Eric Lambert

Switch and Select Session #2

TIME 1:45 - 2:30 PM (Select One)

Never No Summer Ballroom	Room 386	Room 390	Room 376/378	Room 322
Session 2A - Utility Theft, Tampering and Collections Presenter: Mike Espinosa	Session 2B - Colorado Legislative Update Presenter: Kent Singer	Session 2C - SPP and Integrated Markets in the Western Interconnection Presenter: Steve Johnson	Session 2D - Distributed Energy Resources Management (DERMS) and the Virtual Powerplant Presenter: Zach Borton	Session 2E - Impacts of Residential EV Charging on Utility Operations Presenter: Eric Lambert

TIME: 2:30 - 2:45 PM

AFTERNOON BREAK

TIME: 2:45 - 3:45 PM <i>Field Testing Verification & Testing</i> Instructor: Trent Hebrlee	TIME: 2:45 - 4:45 PM <i>Demand Metering / TOU (Time of Use) Metering</i> Instructor: John Vandenburg & Eric Lange	TIME: 2:45 - 4:45 PM <i>Understanding KE Values in Meters</i> Instructor: Terry Gaiser	TIME 2:45 - 3:30 PM <i>Instrument Transformers and Factory Engineers</i> Instructor: Chris Zaphiris
TIME: 3:45 - 4:45 PM <i>Understanding Instrument Transformers</i> Instructor: Kyle Keckler			TIME: 3:30 - 5:00 PM <i>Understanding MDM</i> Instructor: Doug Burkes

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2025 RMEMA Meter School Schedule

Thursday, March 20, 2025

TIME: 7:30 - 8:00 AM LIGHT BREAKFAST Outside of each room					
BASIC	INTERMEDIATE	ADVANCED	HANDS ON (pre-registration required for GTD space*)	Meter School Proficiency Exam	Trip to PRPA Rawhide Energy Station
Never No Summer Ballroom	Room 386	Room 390	University Ballroom	Room 322	
Adam Cash	Chad Stanley	Meredith Peterson	Lester Oltjenbruns / Troy Foust	Kyle Keckler	
TIME: 8:00 - 9:30 AM <i>Technologies in Meter Data Collection</i> Instructor: Jeff Barlow	TIME: 8:00 - 9:30 AM <i>Installation & Load Verification</i> Instructor: Rudy Trujillo	TIME: 8:00 - 9:15 AM <i>Merging Meters, Substations and Distribution Automation</i> Instructor: Dan Nordell	TIME: 8:00 - 9:30 AM University Ballroom <i>Troubleshooting Rotations: a) Vector Analysis, b) Alternate Wiring Verifications and c) Identifying Wiring Problems</i>		
BREAK (9:30-9:45am)	BREAK (9:30-9:45am)	BREAK (9:15-9:30am)	BREAK (9:30-9:45am)		
TIME: 9:45 - 11:45 AM Basic Theft & Tampering Awareness Instructor: Mike Espinosa	TIME: 9:45 - 10:45 PM <i>Evolution of Field Testing and Polyphase Field Testing</i> Instructor: Trent Hebrlee	TIME: 9:30 - 11:00 AM <i>Meter Reading Technologies AMI Systems Overview</i> Instructor: Josiah Jessen	TIME: 9:45 - 11:15 AM University Ballroom <i>Troubleshooting Rotations: a) Vector Analysis, b) Alternate Wiring Verifications and c) Identifying Wiring Problems.</i>	TIME: 11:00 - 12:00 PM Lunch Break ON OWN	
			*Hands on sessions require preregistration due to maximum participant limits and the hands on work stations. If you are not pre-registered and wish to attend one of their sessions, you are welcome to do so based on available space. Available space to be determined by the room moderator.	TIME: 12:00 - 1:30 PM <i>Meter School Proficiency Exam Review</i> Instructor: Kyle Keckler & Adam Cash	12:00 PM (Noon) - 3:30 PM Trip to PRPA Rawhide Energy Station Meet outside Never No Summer Ballroom at 11:45am and group will walk bus. Main Point of Contact: Bryan Ehrlich
				BREAK	
				TIME: 1:45 PM - 4:45 PM <i>Meter School Proficiency Exam</i> Administered By: Kyle Keckler	
				Anyone NOT pre-registered will not be permitted to attend the Exam review session or enter the exam room. Anyone planning to take the exam must be pre-registered prior to Thursday, March 14, 2024. If you didn't sign up and/or pay for the exam when you registered online for Meter School, you can do so onsite. Please go to the RMEMA Registration Desk in the Lory Student Center. You may also call Conference Services at 970-491-6222.	