

Track 1 - Industry Knowledge

Track 2 - Security Operations

Monday, April 29th *Draft*

8am - 12pm

Instructor: Bob Schively, Enerdynamics
Understanding Power System Technologies, Operations, and Markets for the Cybersecurity Professionals
 This course is designed to provide cybersecurity professionals with foundational understanding of key elements of power industry operations to better inform their security efforts.

Instructors/Speakers: EnergySec Staff
Threat Intelligence/Information Sharing
 This session will explore techniques, sources, and methods for obtaining, utilizing, generating, and sharing threat intelligence and indicators.

12pm - 1pm

Lunch Provided
 Lunch will be provided at the venue for all participants.

1pm - 5pm

Course Continues
Understanding Power System Technologies, Operations, and Markets for the Cybersecurity Professional

Course continues
Threat Intelligence/Information Sharing

5-6pm

Dinner Provided
 All participants are encouraged to participate in the networking dinner to be provided at the hotel.

6pm -

Evening Networking Event
 TBA

Tuesday, April 30th *Draft*

8am - 12pm

Instructor: Steve Parker, President, EnergySec
NERC CIP Fundamentals for Technical Support Staff
This course will provide foundational knowledge of the CIP standards and a deep dive into the three technical standards, CIP-005, Electronic Security Perimeters, CIP-007, System Security Management, and CIP-010, Configuration Change Management and Vulnerability Assessments.

Instructors/Speakers: Dennis Murphy, Director of OT Technical Support, Forescout Technologies, Inc.
Introduction to Industrial Control System (ICS) Network Monitoring and Analysis
Participants will learn how to identify the protocols being used in OT networks, how to decode them and the tools and procedures to perform network assessments on these networks.
There will be two components to this course: an instruction and a hands-on lab. The instruction portion includes an overview of PLC design and operation, basic information on how to identify network connections in various ICS vendors and how to manually decode Modbus and DNP3 protocols. During the lab portion, students will sharpen their network analysis skills, learn about attack modules, and use an NSM tool to automate analysis of pcaps.

12pm - 1pm

Lunch Provided

Lunch will be provided at the venue for all participants.

1pm - 5pm	Course continues NERC CIP Fundamentals for Technical Support Staff	Course continues Introduction to Industrial Control System (ICS) Network Monitoring and Analysis
6pm - 10pm	Dinner, Networking, and Baseball Take us out to the ballpark! We've reserved the 1st base party terrace at BB&T Park. Join us for a buffet dinner, networking, and enjoy the game between the Charlotte Knights (White Sox AAA affiliate) and the Gwinnet Stripers (Atlanta Braves AAA affiliate).	

Wednesday, May 1st *Draft*		
8am - 12pm	TBA	Instructors/Speakers: Jason Christopher, Axio Introduction to Risk Assessments
12pm - 1pm	Lunch Provided Lunch will be provided at the venue for all participants.	
		Course continues

1pm - 5pm

TBA

Introduction to Risk Assessments

5pm - 6pm

Dinner Provided
TBA

6pm -

Evening Networking Event
TBA

Thursday, May 2nd *Draft*

9am - Noon

TBA

Instructor: Slade Griffin
Introduction to Security Assessments
In this course, students will learn the fundamentals of technical security assessments and become familiar with several common tools utilized for such work. Students will come away with the required knowledge to begin assessing their environments for security issues.

12pm - 1pm

Lunch Provided
Lunch will be provided at the venue for all participants.

1pm - 5pm	TBA	Course continues Introduction to Security Assessments Instructor: Slade Griffin
5pm - 6pm	Dinner Provided Location TBA	
6pm -	Evening Networking Event TBA	

Friday, May 3rd *Draft*		
8am - Noon	<p style="text-align: center;">Site Tours UNC-Charlotte EPIC Labs</p> <p>We'll take a tour of three energy labs at the Energy Production & Infrastructure Center (EPIC) at UNC-Charlotte. Students will hear from UNC faculty and students and see examples of the equipment that operates the grid.</p> <p style="text-align: center;">Other possible tours are TBA</p>	<p>Instructor: Slade Griffin</p> <p>Security Assessments Lab</p> <p>Students will gain hands-on experience and apply their learning from Thursday's session in a lab environment.</p>

12pm -1pm

Lunch Provided

1pm - 3pm

Review, Wrap-up, and Discussion

Security Assessments Lab

Instructor: Slade Griffin