

# Track 1 - Industry Knowledge

# Track 2 - Security Operations

**Monday, April 29th**

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.

TBA

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**  
Instructor: Bob Schively, Enerdynamics

TBA

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

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

8am - 12pm

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  
**Threat Intelligence/Information Sharing**

5pm - 6pm

**Dinner Provided**  
TBA

6pm -

**Evening Networking Event**  
TBA

**Thursday, May 2nd**

**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**

**8am - Noon**

Site Tours  
**UNC-Charlotte EPIC Labs**  
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.  
  
Other possible tours are TBA

Instructor: Slade Griffin  
**Security Assessments Lab**  
Students will gain hands-on experience and apply their learning from Thursday's session in a lab environment.

**12pm -1pm**

**Lunch Provided**

**1pm - 3pm**

**Review, Wrap-up, and Discussion**

Security Assessments Lab  
Instructor: Slade Griffin