

## Track 1

## Track 2

**Monday, April 23rd**

8am - 12pm

Instructor: Enerdynamics

### **Overview of electric generation.**

This course will provide a overview of the electric generation industry for cybersecurity professionals.

Instructor: Jaime Foose, Director Security Solutions and Lifecycle Shared Services, Emerson Automation Solutions, Power and Water

Instructor: Tom Kizer, Security Solutions Advanced Technical Engineer

**Applying the CIS Top 20 Controls in OT environments** This full-day course provides an overview of the Center for Internet Security's Top 20 Critical Security Controls, their applicability to Industrial Control System environments, along with tips and recommendations for deploying these types of solutions in highly sensitive environments. The course will introduce each of the controls, provide recommendations and solutions for implementation and then discuss best practices and lessons learned from a real life deployment of the controls in an industrial control environment.

12pm - 1pm

### **Lunch Provided**

Lunch will be provided at the venue for all participants

1pm - 5pm

Instructor: Enerdynamics

### **Overview of electric transmission**

This course will provide a overview of the electric generation industry for cybersecurity professionals.

### **Applying the CIS Top 20 Controls in OT environments**

Course continues

5-6pm

### **Dinner Provided**

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

6pm -

### **Evening Networking events**

A variety of evening activities are planned to foster networking and strengthen relationships within the industry

---

## Tuesday, April 24th

8am - 12pm

Instructors/Speakers: To Be Announced  
**Threat Intelligence/Information Sharing**  
This session will explore techniques, sources, and methods for obtaining, utilizing, generating, and sharing threat intelligence and indicators. Instructional material and references will be supplemented with local speakers with direct experience in this area.

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

To Be Announced

**Introduction to Security Assessments**  
Course continues from the morning session

5-6pm

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

6pm -

**Evening Networking events**  
A variety of evening activities are planned to foster networking and strengthen relationships within the industry

## Wednesday, April 25th

8am - 12pm	<p>Instructor: Monta Elkins <b>Control System Concepts using Arduino</b> <b>(limit to 25 students)</b> Learn control system concepts in this hands-on course. Students will build a demonstration control system utilizing Arduino boards, sensors and controllers.</p>	<p>Instructor: Dan Gunter, Dragos Security <b>Threat Hunting in ICS</b> In this course, students will learn techniques for identifying cyber attacks in ICS environments</p>
12pm - 1pm	<p style="text-align: center;"><b>Lunch Provided</b> Lunch will be provided at the venue for all participants</p>	
1pm - 3pm	<p>Instructor: Monta Elkins <b>Jumping Airgaps</b> This course will discuss techniques for jumping across network airgaps. Learn how attackers operate and better defend your networks.</p>	<p>Instructor: Palo Alto Networks <b>ICS Firewall Lab</b> In this course, students will learn how to use advanced application layer firewalls to control ICS network traffic at a granular level.</p>
3pm - 5pm	<p>Instructor: Monta Elkins <b>Introduction to Software Defined Radio</b> <b>(limit 25 students)</b> In this hands-on course, learn how to construct a software-defined radio, and how it can be used to listen for unauthorized wireless communications.</p>	<p>Instructor: ProtectWise <b>Threat Hunting Lab</b> In this lab, students will gain hands-on experience identifying attacks through the use of modern security tools.</p>
5pm - 6pm	<p style="text-align: center;"><b>Dinner Provided</b> All participants are encouraged to participate in the networking dinner to be provided at the hotel.</p>	
6pm -	<p style="text-align: center;"><b>Evening Networking events</b> A variety of evening activities are planned to foster networking and strengthen relationships within the industry</p>	

## Thursday, April 26th

### Field Day at the Arizona Cyber Warfare Center (AZCWC)

Students will spend the day at the AZCWC conducting hand-on exercises that apply concepts learned earlier in the week, and new concepts to be introduced at the event. The AZCWC provides a safe and robust infrastructure for hosting "live-fire" cyber exercises. Instructors and coaches will be on hand to assist students in working through various exercises and scenarios to hone their skills.

Possible facility tours hosted by Arizona Public Service or Salt River Project.

9am - 5pm

### Dinner Provided

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

5pm - 6pm

### Evening Networking events

A variety of evening activities are planned to foster networking and strengthen relationships within the industry

6pm -

## Friday, April 27th

8am - 10am	<p>Instructor: Jason Tyre, Phoenix PD Cyber Unit</p> <p><b>Insider Threats</b></p> <p>In this course, students will learn about the insider threat from a trained and experienced law enforcement officer. The course will cover threat analysis and mitigation techniques</p>	<p>Instructor: Monta Elkins</p> <p><b>Network Packet Analysis with Wireshark</b></p> <p>Laptop required. In this half day course, students will learn the fundamentals of network traffic analysis using Wireshark, the de facto standard in packet analysis. Packet captures will be provided.</p>
10am - 12pm	<p>Instructor: Ernie Hayden</p> <p><b>Workshop: Threats from Commercial Drones</b></p> <p>Commercial drones are a current threat in the Middle East war on terror and are looming as a threat to US and North American critical infrastructure and key resources. This training will provide the student an overview of the commercial drone industry, the specific features of drones that are of concern, and include some case studies of where drones have already attacked selected targets. The instructor will include several videos of interest to the students on this topic. Lastly, the course will conclude with a high-level table top exercise to complete a Drone Threat Model currently available.</p>	
12pm - 1pm	<p>Lunch Provided</p> <p>Business Card Bingo game and prize giveaway</p>	
1pm - 3pm	To Be Announced	To Be Announced