

## Course Description

This course provides an overview of home wi-fi networking.

### Objectives

- Describe the basic attributes of wireless home networking.
- Describe wireless home network deployment considerations and best practices.
- Describe how to analyze and improve Wi-Fi performance.
- Describe Node and Band Steering.
- Describe common issues that impact wireless network performance.
- Know where to find Calix Resources.

### Who should attend?

- Those who are interested in learning the basics of Wi-Fi networks

### Prerequisite Training and Skills

- None

### Training Resources in My Calix

- [Learning Solutions](#)
- [Certifications](#)

## Delivery Mode

This interactive online eLearning course consists of content delivered as video clips, simulations, demonstrations, and other self-paced formats. Learners are prompted to interact with the content as they progress through the course. Calix eLearning courses are often accompanied by voice-over audio. To get the most out of your learning experience, Calix recommends accessing your eLearning course through Chrome or Firefox.

Course Duration: 30 minutes

Lessons		Topics
<b>01</b>	Introduction to Wi-Fi Networks	<ul style="list-style-type: none"> <li>Introduction to Wireless Networks</li> <li>802.11 Standards</li> <li>Wi-Fi Radio Frequencies</li> <li>Wi-Fi Terminology</li> <li>Carrier Class Wi-Fi</li> </ul>
<b>02</b>	Wi-Fi Deployment Considerations	<ul style="list-style-type: none"> <li>Wi-Fi Network Planning</li> <li>Impact of Building Materials</li> <li>Performing a Site Scan</li> <li>General Best Practices</li> </ul>
<b>03</b>	Measuring Wi-Fi Performance	<ul style="list-style-type: none"> <li>Using the Wi-Fi Analyzer</li> </ul>
<b>04</b>	Band and Node Steering	<ul style="list-style-type: none"> <li>Band Steering Overview</li> <li>Node Steering Overview</li> </ul>
<b>05</b>	Wi-Fi Troubleshooting	<ul style="list-style-type: none"> <li>Common Wi-Fi Network Issues</li> <li>Interference</li> <li>Attenuation and Weak Signals</li> <li>Client Device Characteristics</li> </ul>
<b>05</b>	Using Calix Resources	<ul style="list-style-type: none"> <li>Calix.com</li> <li>My Calix</li> <li>Calix Academy</li> <li>Command Center / Calix Cloud</li> </ul>