

# ▶ E6000 CER Training Curriculum Map

	▶ <i>Foundation</i>	▶ <i>Principal</i>	▶ <i>Advanced</i>
E6000 CER DOCSIS	<b>E6D101</b> or <b>E6D103</b>	<b>E6D201</b> or <b>E6D230</b> and <b>E6D231</b> then <b>E6D202</b>	<b>E6D301, E6D302, E6D303</b> and <b>E6D304</b> then <b>E6D305</b>
E6000 CER Routing	<b>E6D101</b>	<b>E6D201</b>	<b>E6R210</b> or <b>E6R211</b> and <b>E6R212</b> or <b>E6R213</b> then <b>E6R214</b> then <b>E6R215</b>
E6000 CER Video	<b>E6D101</b> and <b>E6V101</b>	<b>E6D201</b> then <b>E6V204</b> or <b>E6V205</b> or <b>E6V208</b>	
Technology	<b>TEC202</b>	<b>TEC301</b>	<b>TEC302</b>
Elective	<b>TEC104</b>  <b>E6D105</b>	<b>E6D203</b> <b>E6V209</b>	

▶ The Foundation tier of courses includes introductory concepts that provide the required knowledge needed to advance through course tiers. Concepts introduced in this tier include:

- E6000 CER Hardware description
- Basic technology introduction
- Overall network diagrams

▶ The Principal tier of courses includes application of concepts presented in the Foundation tier including hands-on reinforcement of configuration, administration, or monitoring tasks. This tier is required before attending advanced tier courses.

▶ The Advanced tier of courses includes advanced functionality and troubleshooting concepts and hands-on application. Previous tiers are required before accessing this level.

## E6000 CER DOCSIS

## E6000 CER Routing

## E6000 CER Video

## Technology

## Elective

**E6D101:** E6000 CER  
Hardware Overview

**E6D103:** E6000 CER  
Headend Basics

**E6D201:** E6000 CER  
Operations

**E6D202:** ARRIS RPHY  
Overview and Implementation

**E6D230:** E6000 CER  
I-CCAP Monitoring and  
DOCSIS 3.0 Configuration

**E6D231:** E6000 CER  
I-CCAP DOCSIS 3.1 Basics,  
Implementation, and  
Configuration

**E6D301:** E6000 CER  
Cable Modem Registration

**E6D302:** E6000 CER  
Theft of Service Prevention

**E6D303:** E6000 CER  
RF Impairments

**E6D304:** E6000 CER  
Capacity and Bandwidth  
Troubleshooting

**E6D305:** E6000 CER  
Advanced Troubleshooting  
Capstone

**E6R210:**  
IS-IS and the E6000 CER

**E6R211:**  
BGP Principles

**E6R212:**  
BGP and the E6000 CER

**E6R213:**  
OSPF and the E6000 CER

**E6R214:**  
MPLS Principles

**E6R215:**  
MPLS and the E6000 CER

**E6V101:**  
Digital Video  
Fundamentals Overview

**E6V204:**  
E6000 CER  
Video Applications:  
Table-based VOD

**E6V205:**  
E6000 CER  
Video Applications:  
Switched Digital Video and  
Session-based VOD

**E6V208:**  
E6000 CER  
Video Applications: Switched  
Digital Video and Table-based  
VOD using  
Annex A or Annex B

**E6V209:**  
DOCSIS Set-top Gateway Basics

**TEC202:**  
DOCSIS Basics

**TEC301:**  
DOCSIS Essentials

**TEC302:**  
Understanding DOCSIS 3.1

**E6D105:**  
Introduction to the E6000 CER  
in a Passive Optical Network

**E6D203:**  
E6000 CER Administration  
Suite

**TEC104:**  
Wi-Fi Essentials