

# Keysight eLearning Program Offers Cable and Connector Care

## Get the best education quickly from trusted experts



### Benefits

Get the most out of your Keysight instruments quickly, with the confidence your measurements are accurate and repeatable.

### Complete duration

17 hours (including exam)

### Program price

\$2000

## eLearning Program Overview

A complete and focused set of eLearning modules to help you find success with your Keysight investment at your pace.

### What you will learn

Build a strong foundation in RF & microwave fundamentals. This includes learning about the most important measurements, critical success factors for ensuring accuracy, and how to get the most productivity and value from your Keysight instrument.

### Who should attend

Engineers and technicians with busy schedules who work with advanced test.

### Delivery method

State-of-the-art self-paced eLearning modules developed by Keysight experts.

## RF & Microwave Fundamentals eLearning Program

eLearning module	What you will learn	Duration	Price
<b>Cable and connector care</b> (T6501A, opt. 200)	<ul style="list-style-type: none"> <li>– How to use different types of connectors most effectively</li> <li>– How to inspect and maintain connectors to ensure accuracy and prevent duration damage</li> <li>– Apply the industry standard specifications for connectors</li> </ul>	2 hours	\$250
<b>Transmission line fundamentals</b> (T6501A, opt. 201)	<ul style="list-style-type: none"> <li>– Concept of a transmission line versus a simple “hookup”</li> <li>– Relationship between reflections and impedance</li> <li>– Meaning of characteristic impedance</li> <li>– Calculations to move between VSWR, Return loss and reflection coefficient</li> </ul>	2 hours	\$250
<b>General spectrum analysis</b> (T6501A, opt. 202)	<ul style="list-style-type: none"> <li>– Basic functionality of spectrum analyzers</li> <li>– How to use spectrum analyzers to their fullest potential</li> <li>– How to make more effective measurements for particular applications</li> </ul>	4 hours	\$500
<b>Network analysis</b> (T6501A, opt. 203)	<ul style="list-style-type: none"> <li>– Basics of network analysis</li> <li>– How to use network analyzers to their fullest potential</li> <li>– How to make more effective measurements for particular applications</li> </ul>	4 hours	\$500
<b>Signal generator sources</b> (T6501A, opt. 204)	<ul style="list-style-type: none"> <li>– Basics of amplitude modulation</li> <li>– Basics of frequency modulation</li> <li>– Basics of digital modulation</li> </ul>	2 hours	\$250
<b>Power measurement basics</b> (T6501A, opt. 205)	<ul style="list-style-type: none"> <li>– Definition of the three basic types of power measurements and their importance</li> <li>– Power meter/sensor measurement methods</li> <li>– Two most prevalent sensor technologies</li> <li>– Advanced measurements techniques</li> <li>– Formulas to calculate power measurement uncertainty</li> </ul>	2 hours	\$250
<b>Comprehensive exam</b> (T6501A, opt. 900)	<ul style="list-style-type: none"> <li>– Comprehensive test covering all modules</li> </ul>	1 hour	\$100
<b>Program Package</b> (T6501A, opt. 100)	<ul style="list-style-type: none"> <li>– All six modules, as described above</li> <li>– Comprehensive exam</li> <li>– Program completion certificate</li> </ul>	17 hours	\$2000

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### Next step

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