

## TECHNICAL TRAINING

---

### BASIC MICROWAVE THEORY

#### Microwave Communication System Course

#### TRN-MICROWAVE-E

---

#### Course Specifics

Duration: Self-paced e-learning (~2 hours)  
 Delivery format: E-Learning-Flash content



Online Training

#### Course Description

The Basic Microwave Communications course provides an introduction to fundamental topics for microwave such as systems architecture, parameters, modulation techniques, bandwidth and capacity. Additionally, the course covers, antennas and microwave path design topics along with radio wave propagation, interference, protection schemes and diversity arrangements.

Completing a short assessment at the end of the course will provide students with credentials necessary towards the Aviat Network Associate certification level.

#### Target Audience

This course is intended for entry level personnel requiring a working knowledge of basic microwave concepts.

#### Objectives

Upon successfully completing this course, participants will be able to:

- Understand the different network elements which are incorporated in a microwave telecommunications system.

#### Prerequisites

- None, this is an entry level course PC with Internet access
- PC with internet access, Internet browser software, AviatCare LMS Access

#### Course Outline:

Microwave Parameters and system architecture	Radio Wave Propagation
Modulation, system gain and capacity	Interference
Antennas	Data
Microwave Path Design	Protection and Diversity

## TECHNICAL TRAINING

### Pricing & Scheduling

Please contact your Aviat local sales team for a quote or email [aviatcareeducate@aviatnet.com](mailto:aviatcareeducate@aviatnet.com) and request pricing for the following items:

- TRN-MICROWAVE-E                      Fundamentals of IP microwave radio communication E-learning