



Fiber Optics Technician Certification Course

This **Combined Basic and Advanced Fiber Optic Technician Course** is designed for individuals, including AVOTEC qualified participants, who wish to attain their **CFOT** (Certified Fiber Optics Technician) and **AFOT** (Advanced Fiber Optics Technician) certifications in a single offering. These certifications are offered through the **FOA** (Fiber Optic Association). This Combined Course saves time and money, and is a very efficient means to fully immerse yourself into fiber optics. Successful attendees are awarded two levels of certification: **Basic – CFOT** and **Advanced – AFOT**.

Course Number: Check back for updated course number(s)

Prerequisite: None

Duration: 21-hours

Dates: *Session 1* – Aug. 18-20, 2009 • *Session 2* – Nov. 4-6, 2009 • *Session 3* – Jan. 12-14, 2010.

Class Hours: 8:00am – 4:00pm

Course Fee: \$1,260

Minimum Number of Students to Run Session: 6

Maximum Number of Students Allowed in Session: 15

To Register:

Registration information will be posted by July 15, 2009. Contact Diane Couper, 253.680.7186, dcouper@bates.ctc.edu for more information.

General Course Information:

Contact Nerissa Del Rosario for general course information, 253.680.7331, ndelrosario@bates.ctc.edu.

BICSI approved for Continuing Education Credits and State of Oregon approved for Licensed Electrician Continuing Education Credits.

Combined Basic and Advanced Technician Course	
Day	Topic
One	Introduction and Overview
One	The Basics of Fiber Optics
One	Optical Fiber Construction and Transmission Characteristics
One	Fiber Optic Cable Construction and Applications
One	Fiber Optic Connectors, Adapters and Termination Techniques
One	ST - MM Connector Termination and Testing
Two	Installation Test and Inspection Requirements
Two	SC – MM Connector Cable Plant Termination and Testing
Two	Optical Time Domain Reflectometer Operation
Two	Reflectance and Optical Return Loss
Two	Fan-Out Kit Installation, Termination and Testing
Two	LC – MM Connector Termination and Testing
Three	Fiber Optic Local Area Network Overview
Three	Precision Cleaving Optical Fiber
Three	Fusion Splicing and Splice Tray Management
Three	Mechanical Splicing
Three	Mechanical Splice Connector Installation and Testing
Three	Combined CFOT and AFOT Exam