



Fiber Optics Technician Certification Course (offered through Extended Learning)

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

Class Number(s): 7411 (Session 2: Nov. 3-5); 7412 (Session 3: Jan. 12-14, 2010)

Class Title: Fiber Optic Technician

Pre-requisite: None

Duration: 21 hours

Dates: • Session 2 – Nov. 3-5 • Session 3 – Jan. 12-14, 2010.

- **Registration is now open for Session 2 only**

Class Hours: 8 a.m. – 4 p.m.

Location: Bates Technical College Downtown Campus Auditorium, 1101 S. Yakima Ave., Tacoma, WA

Course Fee: \$665

Minimum Number of Students to Run Session: 6

Maximum Number of Students Allowed in Session: 15

Registration Deadline: Session 2: Monday, Nov. 2 (*see registration information below*)

General Course Information:

Dave Montgomerie: 253.680.7185, dmontgomerie@bates.ctc.edu

Diane Couper: 253.680.7186, dcouper@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 | |
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| 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 |

To Register: You can register three ways for this course

Online Registration: (Credit Card Information is **required** to register online)

1. On the previous web page (Business Management and Training), click on the *Quick Pick* item: **“Extended Learning Registration Form”**
2. Fill out the information completely (* indicates required fields)
3. Click on the **Register** button at the bottom of the online registration form.
You will be notified if class is filled and your registration is not accepted.

Note: After Oct. 28, registration will only be accepted by phone or in person.

Phone Registration: (Credit Card Information is **required** to register by phone)

1. Call 253.680.7300 OR 253.680.7402 OR 253.680.7046 from 8 a.m.-5 p.m., Monday-Friday
2. Have the Class Number, Class Title and Date of class ready
3. Have your credit card information ready

In-person registration:

(Payment by Check, Credit Card or other approved payment method is required at the time of registration.)

Register at Bates Downtown Campus:

Student Services Office, M210
From 8 a.m.-5 p.m., Monday- Friday
1101 S. Yakima Ave., Tacoma, WA 98405

Register at Bates South Campus:

From 8 a.m.-5 p.m., Monday-Friday
Building A, Room A115
2201 . 78th St.
Tacoma, WA 98409

Updated 10/09