

The information explosion has caused the telecommunications industry to advance faster than any other field.



CABLING TECHNICIANS are needed now, and will be far into the future, as fiber optic cable is being laid across America. Eventually, it will run to every school, hospital, business and private residence.

Earn your industry recognized C-Tech Telecommunications Technologies Certification by completing 110 hours of specialized training which include: Telecommunications: Technology Systems; Network Cabling: Copper-Based Systems; and Network Cabling: Fiber Optic-Based Systems.

Complete the course and receive a field toolkit to help you get started.



This course is for anyone looking for a new career!

Telecommunications Technologies Certification

Connecting to the Future



Fee: \$3,595

Class limited to 10

Contact your local Career Link for funding availability.

To Register:

Complete registration form on back!

Fax: 814-375-4859

Call: 814-375-4772 or 814-372-3005

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce U.Ed. DS 12-366

OBJECTIVES/BENEFITS/ACTIVITIES included but are not limited to:

In Telecommunications: Technology Systems:

- ◆ Learn the history of telecommunications and discover the problems that had to be overcome as the field advanced.
- ◆ Learn about Smart Homes, multi-room audio and home theater.

In Network Cabling: Copper-Based Systems:

- ◆ Learn cable layout for both residential and commercial applications.
- ◆ Assemble both shielded and unshielded cable to RJ45 modular plugs and make coaxial connections.
- ◆ Terminate cable to both 110 and 66 blocks.
- ◆ Learn to troubleshoot and repair faulty telecommunications systems.
- ◆ Other topics include: Wi-Fi (wireless fidelity), computer networking, safety and codes.

In Network Cabling: Fiber Optic-Based Systems:

- ◆ Learn about light transmission and reception.
- ◆ Terminate fiber cabling with ST and SC connectors.
- ◆ Splice a fiber optic cable.
- ◆ Learn a fiber optic budget (layout of a fiber optic system).

Professional Development Registration Form

Please type or print in ink. Feel free to photocopy this form for additional registrations.

Last name First name Middle initial

Penn State ID no. *or social security no.* Date of birth Home phone

Male Female E-mail - please provide if you would like to receive information via email about other Penn State programs

Home address (number and street or box number)

City State ZIP code

Company or organization Job title

Business address (number and street or box number)

City State ZIP code

Business phone Fax

Course **	Date	Fee
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Method of payment:

Your payment, in full, must accompany your registration form. Fax or telephone registrations must be accompanied by credit card payment information or a letter of authorization from your employer or sponsoring organization.

A check is enclosed, payable to The Pennsylvania State University

Enclosed is a purchase order (made payable to The Pennsylvania State University) or letter of authorization from my employer or sponsoring organization.

Charge to my: MasterCard Personal
 VISA Corporate

Cardholder's name (please print)

X _____
Cardholder's signature Cardholder's e-mail

Card number Expiration date (month/year)

Send to: **Continuing Education
Penn State DuBois
1 College Place
DuBois PA 15801
Fax: 814-375-4859 Phone: 814-375-4772**

Please indicate if you would like to use this course to meet Act 48 requirements. You must provide social security number for reporting requirements.
****Register no later than 1 week prior to start of class**

Ethnic Background

Federal law requires that institutions of higher education gather the following information regarding the ethnicity and race of their students and employees. Your individual information will be kept strictly confidential. The law only requires institutions to report aggregate totals for each category.

Select the appropriate responses regarding your ethnicity and your race:

1. Is your ethnicity Hispanic/Latino (Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin)?

___ Yes, Hispanic/Latino ___ No, not Hispanic/Latino

2. What is your race (select one or more):

___ White ___ Black or African American ___ Asian ___ American Indian or Alaska Native ___ Native Hawaiian or Other Pacific Islander

*The Social Security number (SSN) you provide for enrollment purposes, or when requesting specific services, will be used by the University to verify your identity for official record keeping and reporting. If you choose not to supply your SSN, certain services—such as transcripts, enrollment verification, tax reporting, and financial aid—may not be available to you, and Penn State cannot guarantee a complete academic record for you. Your SSN will be stored in a central system and only used as a primary source to identify you within the Penn State system; the Penn State ID will be used as the primary identifier.