Course Catalog

TFPP Training Catalog for Detection Products

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Fire Protection Products

Welcome to TFPP Training

Welcome to the TFPP Training Catalog for Detection Products and thank you for your interest in our web-based and classroom programs. We hope your curiosity about TFPP is satisfied by the information contained in this catalog and that you will decide to enroll in our unique learning experience.

Thousands of learners have discovered the rewards and results of the TFPP experience. TFPP online courses have made it possible for us to reach thousands of learners spanning over 40 countries.

Our instructor-led courses are conducted in six different training centers throughout the U.S. and Canada. Our learners consistently report very high degrees of customer satisfaction with our web and classroom based technical programs, instructors, services, and their interactions with our administrative staff. We are committed to providing you with a fulfilling, rewarding and valuable experience. We encourage you to explore this catalog to gain an overview of our programs and services.

Again, we hope you will join us as a TFPP learner. It's a decision that we believe will provide immediate and enduring value to your company.

Don Jones
Senior Manager
Training & Development (TFPP)

Dave Blattenberger
Operations Manager
Training & Development (TFPP)

Patrick Birt
Manager
Healthcare Training (TFPP)

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Simplex

AUTOCALL®

EZCare

ZETTLER

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General Information

Enroll Early!
You have a better chance of getting into a class if you enroll early. All classes have maximum size limits, and can quickly fill to capacity. Enrolling in and dropping of Instructor-led courses can occur up to three weeks prior to the scheduled start date of the class. You get an on-screen enrollment confirmation and a follow-up email when you enroll in the class! Please make sure you read the information.

What to Wear In Class
Business casual clothing is worn at all Tyco Fire Protection Products facilities. Due to safety considerations, tank-tops, shorts and sandals are not appropriate.

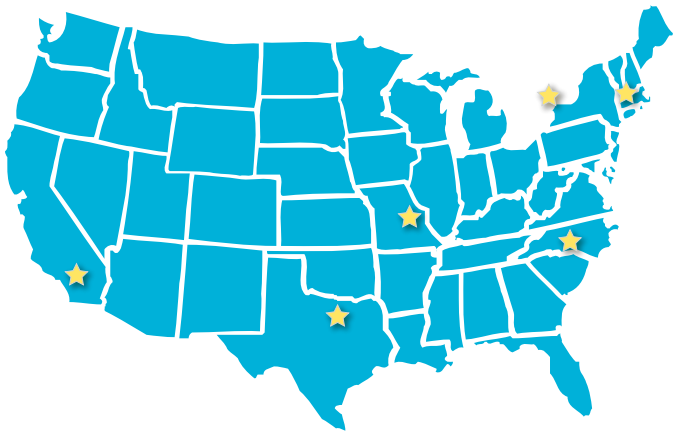
Safety First
By registering to attend any classroom course, you agree to abide by any and all safety procedures required by the instructor and to utilize appropriate safety equipment and apparel as required.

Continuing Education Units (CEUs)
Tyco Fire Protection Products recognizes the need for awarding CEUs. TFPP uses the same method to calculate CEUs as the International Association for Continuing Education and Training (IACET). As you review this catalog, you will notice that a CEU number is shown for each course and is earned upon successful completion of that course.

Cancellation Policy
If you cancel your Instructor-led class within three weeks of the scheduled start date or decide not to show up, your office may be charged a fee along with any other expenses caused by your cancellation. Enrollment in our courses is considered a commitment on your part, and it results in resources being expended on our part.

Training Center Locations
Tyco Fire Protection Products currently has six training centers in the United States and Canada. The cities are listed below with approximate location shown on the map provided.

Tyco Fire Protection Products (TFPP)
50 Technology Drive, Westminster, MA 01441
Telephone: (978) 731–3100 Fax: (978) 731-7815
Email: tspi@tycoint.com



Charlotte Training Center
9826 Southern Pines Boulevard, Charlotte, NC 28273

St. Louis Training Center
3785 Rider Trail South, Earth City, MO 63045

Dallas Training Center
1125 East Collins Boulevard, Richardson, TX 75081

Los Angeles Training Center
900 Allen Avenue, Glendale, CA 91201

Toronto Training Center
2400 Skymark Avenue, Mississauga, Ontario, Canada L4W 5K5

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Introduction to Training

All Tyco employees are automatically given a Tyco Learning Management System (LMS) training account. Use the username and password to log on to: http://www.tyco-training.com (see the figure below). If you don't have your Username and Password, use the "Self-Registration" link to retrieve your information or you may email your LMS Administrator to begin your enrollment. It's easy! If you don't know who your LMS Administrator is you can click the HELP link, then the CONTACTS tab on the log on. A mini-course on using the Tyco LMS is available from this link (Internet connection required).

Once you start to explore the site, you will find outstanding training on Fire Alarm and Healthcare systems for:

- Technicians/Inspection Technicians
- Sales Representatives
- Project Engineers/System Designers

We deliver training on many of our products through a mix of classroom and web-based courses. This blended approach allows you to spend less time in a classroom learning topics that can best be learned on your own and use the classroom time to concentrate on hands-on learning activities. Based on your lab work (i.e skill checks), your instructor will evaluate your performance of skills learned during class. Web courses are available all the time and classroom training is available in one of our six training centers in the U.S. and Canada.

Please Note: Not all classroom courses are available in all training centers.

Tuition, classroom materials, as well as travel and living arrangements are FREE for all SimplexGrinnell employees.

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Introduction to Training (continued)

Web-Based Training

We have over 120 courses covering Fire Alarm and Healthcare Communications systems that are self-paced, allowing you to learn WHAT you want, WHEN you want it. Learn how to install hardware, program systems, sales applications and trouble-shooting tips anywhere - and anytime via the Internet. We also offer recorded Webinars that allow you to learn from an instructor while you are online (audio capability for your PC is required). Classroom training begins where online web courses leave off.

Instructor-Led Training

Most instructor-led courses are found within a curriculum (see page 9). Find the curriculum that meets your product training need and ENROLL in it. It's that easy! Before you can enroll in an instructor-led class, you must take the prerequisite web courses listed in the curriculum. The LMS tracks your course completions and will not allow you to enroll in the instructor-led course unless you have completed all prerequisites. You can attend training in any of our six conveniently located training centers.

Schedule of Training

Our classroom schedule is dynamic and is updated often to meet the high demand of training. Check our schedule online at http://safetyproductstraining.com for more information.

Customer Training

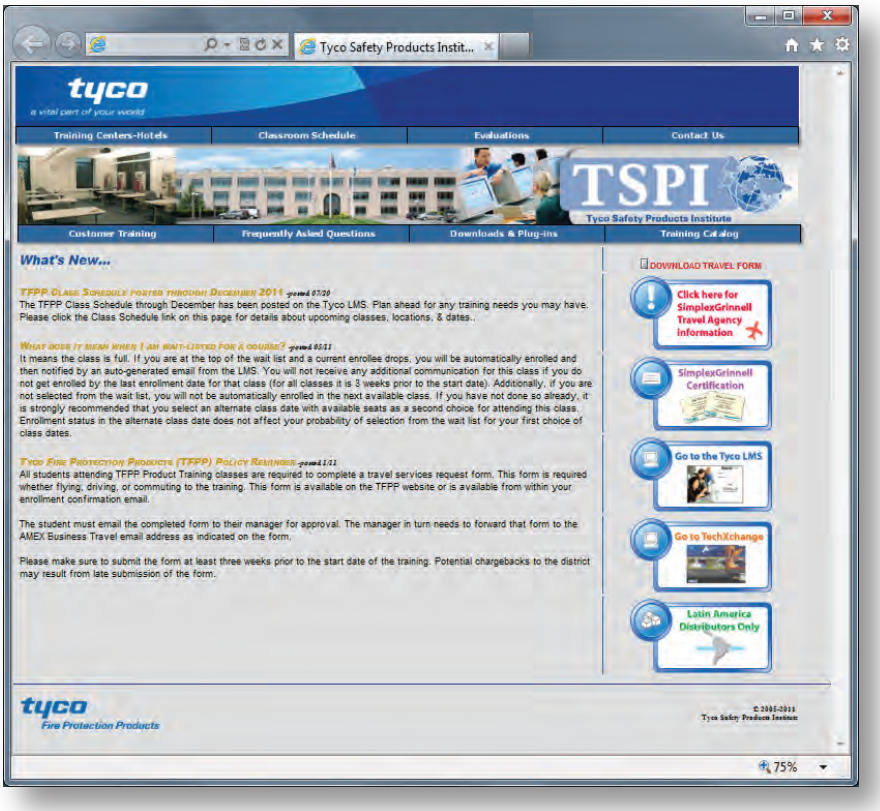
The Tyco Fire Protection Products recognizes the need for end-user customers to be trained on our fire and healthcare systems. TFPP has provided an easy-to-use Customer Training Request form for the District Offices to request training.

Visit http://safetyproductstraining.com and click on the Customer Training link. Read and follow the instructions and then fill out and submit the online form.

After receipt of the required forms, we will provide unique Usernames and Passwords to give to each student allowing them to log in to the Tyco LMS.

Once your customer logs in, more information about the course(s) they will be attending is available by clicking on the Course Title or Curriculum Title links.

Here they may enroll in instructor-led courses or, start taking web-based courses immediately.



Curriculum Paths

Core product training courses are arranged in curriculum paths. These easy-to-follow paths arrange the courses in a certain order to ensure all learning objectives are met for each product. Once you enroll in a curriculum, the Learning Management System (LMS) keeps track of your progress. The LMS insures that you complete the appropriate courses in sequence before moving on to the next course.

The following are the current curricula.

Fire Alarm

- Simplex 4005/4006/4008/4010
- Simplex 4100ES Fire Alarm
- Simplex 4100+ Fire Alarm
- Simplex 4120/TSW Network
- Simplex 4100ES Fire Alarm Application Specialist
- AUTOCALL TFX
- Simplex 2120 Multiplex

Healthcare

- EZCare Service
- EZCare VITALTouch Service
- EZCare TCP/IP Gateway
- Executone CareCom Plus
- Executone HCP/CareCom IIE
- Zettler Sentinel 500

SimplexGrinnell Certification

Certification is awarded upon completion of a curriculum below. Certification is recognized with a certificate and wallet-card on behalf of SimplexGrinnell.

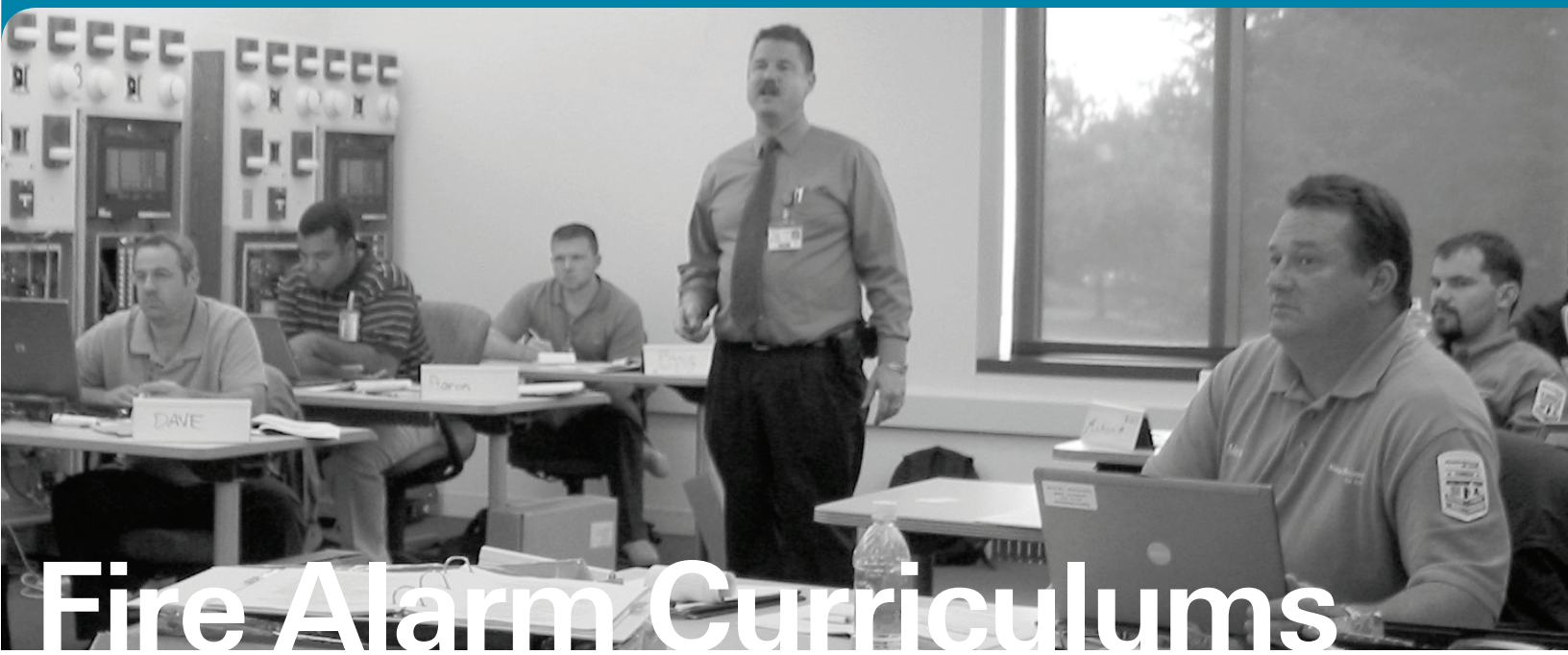
The SimplexGrinnell Certification Program increases confidence in your capabilities as a service provider, and provides a competitive edge. It also supports your professional image to our customers.

For technicians, certification increases AHJ and customer confidence in service capabilities. Technical certification also helps to ensure quick and accurate troubleshooting, minimizes callbacks and lowers service costs. The following is a list of certification categories.

For Technicians:

- Simplex 4005/4006/4008/4010 Technician
- Simplex 4100+ Fire Alarm Technician
- Simplex 4100ES Fire Alarm Technician
- Simplex 4120/TSW Network Technician
- EZCare Technician
- EZCare VITALTouch Technician
- EZCare TCP/IP Gateway Technician
- Executone CareCom Plus Technician
- Executone HCP/CareCom IIE Technician
- Zettler Sentinel 500 Technician

Courses



Fire Alarm Curriculums

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Simplex 4005/4006/4008/4010 Technician Curriculum

Target Audience:
Technicians

ONLINE TIME	CLASSROOM TIME	TOTAL CEUs
4.8 Hours	5 days	3.3

Description

This curriculum consists of several online courses and one classroom course. In the online courses, you will focus on concepts, hardware, operation and basic programming for 4005, 4006, 4008 and 4010 fire alarm systems. In the classroom course, you will focus on programming basic general alarm, selective control and product application scenarios.

Enrollment

On-line enrollment is available through the Tyco training site:
http://www.tyco-training.com

Training Locations

The Simplex 4005/4006/4008/4010 Technician Curriculum (classroom portion) is available in our Westminster, MA and Los Angeles, CA training centers only.

Check our website for current classroom schedules:
http://safetyproductstraining.com

Curriculum Path:

Designed for students who service and program Simplex 4005/4006/4008/4010 Fire Alarm Systems and require certification.

PREREQUISITES

1. Working knowledge of basic electrical wiring
2. Basic Computer Skills

WEB COURSES

Basic Fire Alarm Technology - Technicians (TEC 188 O)
Foundations of Device Types & Point Types (TSPI_FA807)
4100+ Program—TrueAlarm Concepts & SMPL (TSPI_FA509)
Foundations of SMPL (TSPI_FA290)
4006 Troubleshooting (TSPI_FA546)

CLASSROOM COURSE

Simplex 4005/4006/4008/4010 Service (TSPI_FA020)

Simplex 4005/4006/4008/4010/ Technician Curriculum: Basic Fire Alarm Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TEC 188 0	Basic Fire Alarm Technology	90 min	0.15

This course will enable you to learn about fire alarm systems, their components and applications. You will learn about their hardware, care and maintenance, wiring and circuits. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA807	Foundations of Device Types and Point Types	45 min	0.1

This course will enable you to learn the high-level concepts and functions of device types and point types in preparation for programming a 4000-series fire alarm system. You will learn the relationship between hardware device and point types, and the difference between hardware and software (pseudo) point types. You will interpret data in point type tables. You will be given application scenarios and you will select the most appropriate point types for common monitor, signal and auxiliary relay hardware points. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA509	4100+ Programming – TrueAlarm Concepts and SMPL	45 min	0.1

This course will enable you to learn operational concepts and capabilities of Simplex TrueAlarm sensors. You will learn about TrueAlarm device application scenarios utilizing custom control. Some concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

Simplex 4005/4006/4008/4010/ Technician Curriculum: 4010 & 4005 Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA528	4010 System Hardware Overview	30 min	0.1

This course will enable you to learn about the basic, functional components and scope of the 4010 Standard Function Input Output card (SF/IO). You will learn about wiring connection points, the role of terminal blocks and plugs as well as LEDs and switches for both main and optional cards. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA527	4010 Basic System Operations	30 min	0.1

This course will enable you to learn about the basic operation of the 4010 fire alarm system using the operator interface. You will learn about active fire, supervisory and trouble point acknowledgement, alarm silence and system reset. You will also identify the front panel LEDs and learn to adjust the LCD display's backlight. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

Simplex 4005/4006/4008/4010/ Technician Curriculum: 4010 & 4005 Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA551	4005 Basic Hardware	30 min	0.1

This course will enable you to identify the standard and optional hardware for the 4005 fire alarm system. You will learn about the 4005 CPU motherboard, power supply setup and modifications, and the installation of monitor and NAC cards. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA552	4005 Fire Alarm Panel Optional Cards	30 min	0.1

This course will enable you to identify the 4005 optional cards. You will learn how to log in and add these optional cards using system software. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA554	4005 Operator Interface/Custom Labels	30 min	0.1

This course will enable you to identify the standard and optional hardware for the 4005 fire alarm system. You will learn about the 4005 CPU motherboard, power supply setup and modifications, and the installation of monitor and NAC cards. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

Simplex 4005/4006/4008/4010/ Technician Curriculum: 4008 & 4006 Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA538	4008 Local-Remote Panels & Devices	30 min	0.1

This course will enable you to learn about the standard, functional 4008 hardware components and annunciators. You will also learn about compatible optional accessories and IDNet peripherals. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA539	4008 Sys Operation and Gen Alarm Program	30 min	0.1

This course will enable you to learn the basic operation of the 4008 fire alarm system using the operator interface. You will learn about active fire, supervisory and trouble point acknowledgement, alarm silence and system reset. You will also learn about auto-program, DACT de-selection, editing custom labels and setting the panel time and date. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

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Simplex 4005/4006/4008/4010/ Technician Curriculum: 4008 & 4006 Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA540	4008 Adv Operation & System Options	45 min	0.1

This course will enable you to learn about advanced system operation, including points control, reports and diagnostics. You will learn about system options such as cross zoning and Boston operation. Some concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA541	4008 Programmer	60 min	0.1

This course will enable you to learn about the concept behind alarm group programming and the tasks related to it in the 4008 Programmer. You will learn about point configuration using hardware and function types. You will also learn about several application scenarios. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA542	4008 Programming Standard Hardware	60 min	0.1

This course will enable you to learn about advanced navigation in the 4008 Programmer. You will learn about configuring input and output functionality, alarm and contact ID groups, and custom labels. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA543	4008 Program Optional Hardware/Options	60 min	0.1

This course will enable you to learn how to program optional hardware and system options. You will learn how to program access levels and system passcodes. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA545	4006 Local Hardware & Option Cards	60 min	0.1

This course will enable you to learn about the standard hardware components, devices and annunciators which are connected to a 4006 conventional fire alarm system. You will also learn about compatible accessories and optional cards. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA546	4006 Troubleshooting	60 min	0.1

This course will enable you to learn about common problems associated with the 4006 conventional fire alarm system. You will also learn how to use a digital volt meter to evaluate, troubleshoot and solve these issues. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

Simplex 4005/4006/4008/4010/ Technician Curriculum: SMPL Programming Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA290	Foundations of SMPL Programming	45 min	0.1

This course will provide you with an overview of the Simplex Multi-Function Programming Language (SMPL) as well as its main applications. You will learn how to apply ladder logic to solve three customer scenarios. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4005/4006/4008/4010 Service Technician (TSPI_FA020).

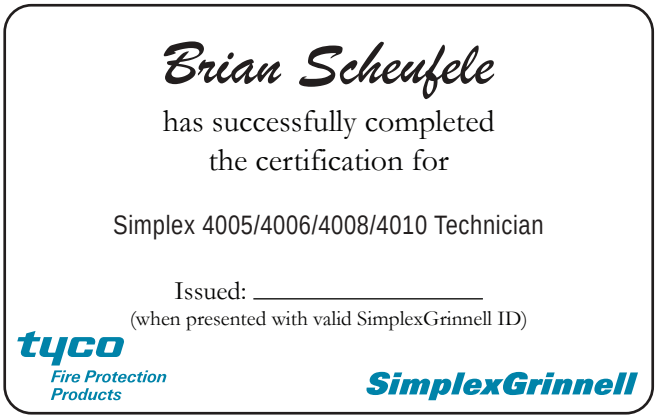
Simplex 4005/4006/4008/4010/ Technician Curriculum: Classroom Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA020	Simplex 4005/4006/4008/4010 Service Technician	5 days	2.8

This course will enable you to program the Simplex 4005, 4006, 4008 and 4010 fire alarm control panels for general alarm operation and selective control operations. You will learn how to do extensive custom control programming for control point priorities, elevators, doorholders, relays and TrueAlarm sensors. Some of the concepts, features, functions, or operations applied in this classroom course may have been learned in the prerequisite web courses.

This is the end of the Simplex 4005/4006/4008/4010 curriculum path.

Upon successful completion of all curriculum requirements SimplexGrinnell personnel will be awarded the following certification:



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Simplex 4100ES Fire Alarm Technician

Target Audience:
Technicians

ONLINE TIME	CLASSROOM TIME	TOTAL CEUs
4 Hours	9 days	5.5

Description

This curriculum consists of four online courses and one classroom course. In the online courses, you will focus on basic fire alarm technology concepts, front panel operations, system architecture and networking concepts you need to know to work on TFPP fire products, including the 4100ES. In the classroom course, you will focus on learning all the critical tasks required of both a Commissioning and a Break-Fix Technician while working with a 4100ES Fire Alarm System.

Enrollment

On-line enrollment is available through the Tyco training site:

http://www.tyco-training.com

Training Locations

The Simplex 4100ES Fire Alarm Technician Curriculum (classroom portion) is available in all of our training centers except the Dallas Training Center.

Check our website for current classroom schedules:
http://safetyproductstraining.com

Curriculum Path:

Designed for students who service and program Simplex 4100ES Fire Alarm Systems and require certification.

PREREQUISITES

1. Working knowledge of basic electrical wiring
2. Basic Computer Skills

4100ES BASIC WEB COURSES

Basic Fire Alarm Technology - Technicians (TEC_188 O)

4100ES and 4100ES Basic Operations (TSPI_FA321)

4100ES and 4100ES System Architecture (TSPI_FA322)

Basics of Customer Networks and TFPP Products (TSPI_FA112)

CLASSROOM COURSES

Simplex 4100ES Fire Alarm (TSPI_FA178)

COURSE:	TITLE:	DURATION:	CEU:
TEC 188 0	Basic Fire Alarm Technology	90 min	0.15

This course will enable you to learn about fire alarm systems, their components and applications. You will learn about their hardware, care and maintenance, wiring and circuits. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4100ES Fire Alarm (TSPI_FA078).

Simplex 4100ES Fire Alarm Curriculum: Basic Hardware Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA321	4100ES Basic Operations	45 min	0.1

This course will enable you to learn about the 4100ES operator interface panel and several basic panel operations. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4100ES Fire Alarm (TSPI_FA078).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA322	4100ES System Architecture	45 min	0.1

This course will enable you to learn the basic features of a 4100ES fire alarm system, required components and their layout in a 4100ES CPU bay. You will learn the purpose of the master bay and the expansion bays, distribution of power and communication, and the two types of option cards in a 4100ES. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4100ES Fire Alarm (TSPI_FA078).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA112	Basics of Customer Networks and TFPP Products - Technician	60 min	0.1

This is a web-based course providing basic networking terms and concepts to provide foundational knowledge for sale, installation, and troubleshooting of networked products. This fundamental course introduces computer networks and how to integrate TFPP products on them. At the end of this course, you will be able to describe basic features of a computer network and explain how a TFFP product resides on the network. Terms that you need to communicate with Network Administrators are explained. In addition, you will learn key DOS commands for assessing the status of a networked component and doing initial troubleshooting for network issues.

Simplex 4100ES Fire Alarm Curriculum: Classroom Course Description

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA178	Simplex 4100ES Fire Alarm	9 days	5.0

This course will enable you to perform all the critical tasks required of both a Commissioning and Break-Fix Technician while working with a 4100ES Fire Alarm System. You will learn how to install, configure, program, test and trouble-shoot hardware and programming problems. You will also learn how best to use the productivity enhancing features designed in the system.

This is the end of the Simplex 4100ES Fire Alarm curriculum path.

Upon successful completion of all curriculum requirements SimplexGrinnell personnel will be awarded the following certification:

Rome Thabharangsri

has successfully completed
the certification for

Simplex 4100ES Fire Alarm Technician

Issued: _____
(when presented with valid SimplexGrinnell ID)

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Simplex 4100+ Fire Alarm Technician Curriculum

Target Audience:
Technicians

ONLINE TIME	CLASSROOM TIME	TOTAL CEUs
24 Hours	None	2.7

Description

This curriculum consists of many online courses. In these courses, you will focus on required and optional hardware, basic operations, advanced keypad operations, basic programming and concepts related to a 4100+ fire alarm system.

Enrollment

On-line enrollment is available through the Tyco training site:
http://www.tyco-training.com

Training Locations

The Simplex 4100+ Fire Alarm Technician Curriculum does not have a classroom component. All courses are online.

Check our website for current classroom schedules:
http://safetyproductstraining.com

Curriculum Path:

Designed for technicians who work on 4100+ Fire Alarm Systems and require certification.

PREREQUISITES

1. Working knowledge of basic electrical wiring
2. Basic Computer Skills

BASIC HARDWARE/OPERATIONS WEB COURSES

Basic Fire Alarm Technology—Technicians (TEC 188 O)
4100+ Major Components (TSPI_FA684)
4100+ Master Controller Board (TSPI_FA680)
4100+ Master Motherboards (TSPI_FA681)
4100+ Operator Interface Panels (TSPI_FA683)
4100+ Power Supplies (TSPI_FA682)
4100+ & 4100ES Annunciator Hardware (TSPI_FA504)

ADVANCED OPERATIONS WEB COURSE

4100+ Advanced Keyboard Operations (TSPI_FA502)

MAPNET HARDWARE WEB COURSES

MAPNET for 4100+ Systems: Overview (TSPI_FA212)
MAPNET Transceiver Card for 4100+ (TSPI_FA209)
MAPNET Power Supply for 4100+ (TSPI_FA210)
MAPNET Channels for 4100+ (TSPI_FA211)
MAPNET Peripheral Devices for 4100+ (TSPI_FA213)

AUDIO HARDWARE WEB COURSES

4100+ Audio Hardware (TSPI_FA370)
4100+ Audio Controller Card (TSPI_FA371)
4100+ Amplifiers & Signal Cards (TSPI_FA372)

TROUBLESHOOTING WEB COURSE

4100+ Hardware Troubleshooting Tips (TSPI_FA503)

BASIC PROGRAMMING WEB COURSES

4100 Programming Unit Overview (TSPI_FA727)
4100 Device Types and Point Types (TSPI_FA728)
4100+ Point Lists (TSPI_FA506)

AUDIO PROGRAMMING WEB COURSES

4100+ Audio Programming Essentials (TSPI_FA373)
4100+ Audio Programming—Manual Control (TSPI_FA374)

PERIPHERAL PROGRAMMING WEB COURSES

Programming—TrueAlarm Concepts/SMPL (TSPI_FA509)
4100 Local Annunciator Programming (TSPI_FA505)
Programming-Analog Monitor Zams (TSPI_FA508)

SMPL/CUSTOM CONTROL PROGRAMMING WEB COURSES

Foundations of SMPL Programming (TSPI_FA290)
Creating Custom Control in a 4100+ (TSPI_FA292)

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Simplex 4100+ Technician Curriculum Basic & Operations Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TEC 188 0	Basic Fire Alarm Technology	90 min	0.1

Web-Based

This course will enable you to learn about fire alarm systems, their components and applications. You will learn about their hardware, care and maintenance, wiring and circuits.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA684	4100+ Major Components	60 min	0.1

Web-Based

This course will enable you to learn the operational concepts for a 4100+ fire alarm system. It will provide an overview of the remaining courses in this series (i.e. 4100+ Master Controller Boards, 4100+ Master Motherboards, 4100+ Universal Power Supplies, 4100+ Operator Interface Panels). You will identify the four major components of a 4100+ fire alarm system and their main functions. You will learn how these major components communicate with each other and with other system components.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA680	4100+ Master Controller Board	60 min	0.1

Web-Based

This course will enable you to learn the major hardware components on a 4100+ master controller board as well as their functions. You will learn about the internal and external communications, connectivity and terminations on a master controller board. You will also learn what happens on the master controller board when the configuration program is changed.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA681	4100+ Master Motherboards	60 min	0.1

Web-Based

This course will enable you to learn the major hardware components on a 4100+ master motherboard as well as their functions. You will learn the internal and external communications, connectivity and terminations on a master motherboard. You will learn the relationship of the master motherboard to the other major components of a 4100+ fire alarm system. You will also identify the differences between the function of the master motherboard and the function of added motherboards.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA683	4100+ Operator Interface Panels	60 min	0.1

Web-Based

This course will enable you to learn the major components of the 4100+ operator interface panel as well as their functions. You will learn the operator interface panel connections. You will also learn the function of the panel display board.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA682	4100+ Power Supplies	60 min	0.1

Web-Based

This course will enable you to learn the major hardware components on the 4100+ universal power supply as well as their functions. You will learn about the internal communications, connectivity and basic service considerations for a 4100+ universal power supply.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA504	4100+ & 4100ES Annunciator Hardware	60 min	0.1

Web-Based

This course will enable you to learn about the major hardware components of 4100+ and 4100ES annunciators. You will learn about the technical features and functions of the 4100+ LED/switch controller, 4100ES LED/switch controller, 4100+ LED/switch modules, 4100ES LED/switch modules, graphic I/O modules, remote command units (RCU), status command units (SCU), LCD remote annunciators, and 4100ES remote command centers.

Simplex 4100+ Curriculum Advanced Operations Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA502	4100+ Advanced Keyboard Operations	45 min	0.1

Web-Based

This course will enable you to learn the advanced keypad operations on the 4100+ front panel keypad and how to perform these operations to monitor and control the operation of a 4100+ fire alarm system.

Simplex 4100+ Technician Curriculums MAPNET Hardware Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA212	MAPNET for 4100+ Systems: Overview	60 min	0.1

Web-Based

This course will enable you to identify the four major MAPNET components of a 4100+ fire alarm system as well as their main functions.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA209	MAPNET Transceiver Card for 4100+	30 min	0.1

Web-Based

This course will enable you to learn the functions of a MAPNET transceiver card in a 4100+ fire alarm system. You will identify the key components, LEDs and dip switches on the transceiver card. You will also learn about troubleshooting problems with transceiver cards.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA210	MAPNET Power Supply for 4100+	30 min	0.1

Web-Based

This course will enable you to learn the functions of the MAPNET power supply and the source of MAPNET 36V communications. You will identify the harness connections for the MAPNET power supply and the socket used to connect a transceiver card to a power supply. You will also identify MAPNET system requirements for dedicated earth detection as well as potential earth ground detect conflicts that may result in trouble conditions.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA211	MAPNET Channels for 4100+	30 min	0.1

Web-Based

This course will enable you to learn the functions of the 36V communication line and the concept of MAPNET channel supervision. You will identify Class A (Style 6) and Class B (Style 4) wiring.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA213	MAPNET Peripheral Devices for 4100+	30 min	0.1

Web-Based

This course will enable you to learn the different types of peripheral devices that operate on a MAPNET signaling line circuit. You will learn about auxiliary powered sensor heads, relay bases and sounder bases that may be on a MAPNET channel. You will also learn about several faults that are supervised on MAPNET devices and the associated troubles that may be displayed.

Simplex 4100+ Technician Curriculums Audio Hardware Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA370	4100+ Audio Hardware	30 min	0.1

This course will enable you to learn the technical features of the four major audio components in a 4100+ fire alarm system. You will learn the audio concept that supports how these components work together to provide audio signals. You will learn about the mounting of audio components in a 4100+ fire alarm bay as well as the three functions that audio play in a 4100+ fire alarm system.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA371	4100+ Audio Controller Card	45 min	0.1

This course will enable you to learn the features and functions of a 4100+ audio controller card and its option cards. You will learn about the system tones and messages produced by the audio controller card. You will identify the hardware connections on the audio controller card and its option cards. You will also learn the differences between a single-channel and a multi-channel system.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA372	4100+ Amplifiers & Signal Cards	60 min	0.1

This course will enable you to learn the features and functions of 4100+ amplifiers and signal cards. You will identify the hardware connections and how these cards interact with other audio system components. You will learn how to adjust the amplifier output and signal circuit basics. You will learn how to configure primary and backup amplifiers. You will also learn about troubleshooting problems with speaker cards.

Simplex 4100+ Technician Curriculums: Troubleshooting Web Course Description

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA503	4100+ Hardware Troubleshooting Tips	60 min	0.1

This course will enable you to learn how to diagnose basic hardware troubles by interpreting messages displayed on a 4100+ front panel display.

Simplex 4100+ Technician Curriculum Basic Programming Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA727	4100 Programming Unit Overview	60 min	0.1

Web-Based

This course will enable you to learn how to install and run the 4100 Programming Unit. You will learn about the screens and menus for the Programming Unit. You will learn to create, access and save job database files. You will also learn how to download a job database file onto a 4100 fire alarm system.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA728	4100 Device Types and Point Types	60 min	0.1

Web-Based

This course will enable you to learn how device types and point types are used in 4100 programming. You will learn the concepts of device and point types, the categories of physical and pseudo point types and how to interpret point type tables. You will also learn how point types are assigned and changed through the 4100 Programming Unit.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA506	4100+ Point Lists	60 min	0.1

Web-Based

This course will enable you to learn the three ways that point lists are created in the 4100+ Programming Unit and how point lists are used to customize the operation of the 4100+ fire alarm system.

Simplex 4100+ Technician Curriculum Audio Programming Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA373	4100+ Audio Programming Essentials	60 min	0.1

Web-Based

This course will enable you to learn the basics of 4100+ audio programming. You will learn how to add and configure an audio controller card and a signal circuit card to an existing 4100+ job in the programmer. You will also learn how to import a chipset file and activate a specific message.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA374	4100+ Audio Programming—Manual Control	45 min	0.1

Web-Based

This course will enable you to learn how to program basic, manual audio operations for a 4100+ fire alarm system. You will learn how to program a single-channel audio control module. You will learn how to lay out the annunciator by choosing the needed display cards. You will also learn how to program the LEDs and switches on these cards.

Simplex 4100+ Technician Curriculum Peripheral Programming Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA509	Programming—TrueAlarm Concepts/SMPL	60 min	0.1

Web-Based

This course will enable you to learn the operational concepts of TrueAlarm sensors as well as detection sensitivity for various types of TrueAlarm sensors. You will also learn the features, functions and major benefits of TrueAlarm sensors.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA505	4100 Local Annunciator Programming	60 min	0.1

Web-Based

This course will enable you to learn about the programming considerations and non-alert LED modes to program the operation of local annunciator LEDs and switches. You will also identify the three states related to a reference address, the three categories of switch modes and the differences between low level and high level modes.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA508	Programming-Analog Monitor ZAMs	60 min	0.1

Web-Based

This course will enable you to learn about programming analog monitor ZAMs. You will learn the recommended programming techniques for analog monitor devices.

Simplex 4100+ Technician Curriculum SMPL/CC Programming Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA290	Foundations of SMPL Programming	45 min	0.1

Web-Based

This course will provide you with an overview of the Simplex Multi-Function Programming Language (SMPL) as well as its main applications. You will learn how to apply ladder logic to solve three customer scenarios.

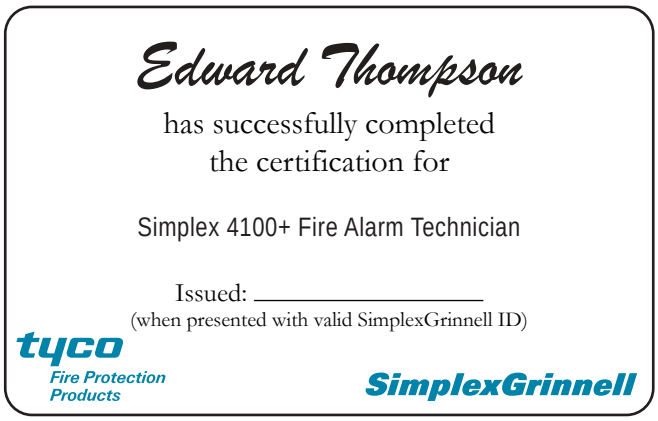
COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA292	Creating Custom Control in a 4100+	60 min	0.1

Web-Based

This course will enable you to learn about three common customer scenarios that require custom programming. Using the 4100+ Programmer, you will simulate adding a new equation and editing an existing equation in a custom control program.

This is the end of the 4100+ Fire Alarm curriculum path.

Upon successful completion of all curriculum requirements SimplexGrinnell personnel will be awarded the following certification:



tyco Fire Protection Products

(TSPI) Simplex 4120 Network with TrueSite Workstation Technician

Target Audience:
Technicians

ONLINE TIME	CLASSROOM TIME	TOTAL CEUs
9.5 Hours*	8 days*	5.4

* Stated time does not include the prerequisite 4100ES or 4100U Technician Curriculum

Description

This course will enable you to create, connect, program, operate, and troubleshoot a Simplex 4120 Network. This 4120 network includes: 4100+, 4100ES, 4010, Network Display Unit (NDU), Network Voice Command Center (NVCC) and Truesite Workstation (TSW) style fire alarm panels. For the TSW, you will create and edit graphic screens, template screens, command buttons, travel buttons and action messages. You will create and link status icons including color and shape changes. You will learn the operation and programming required for the new Remote Client feature. Finally, you will review the process required to upgrade a GCC or IMS to a TSW. Some of the concepts, features, functions, or operations applied in this classroom course may have been learned in the prerequisite web courses.

Enrollment

On-line enrollment is available through the Tyco training site:
http://www.tyco-training.com

Training Locations

The Simplex 4120/TSW Network Technician Curriculum (classroom portion) is available only in our Westminster and Dallas Training Centers.

Check our website for current classroom schedules:
http://safetyproductstraining.com

Curriculum Path:

Designed for students who service and program Simplex 4120/TSW Network Systems and require certification.

PREREQUISITES

1. Working knowledge of basic electrical wiring
2. Basic Computer Skills

4100 HARDWARE/PROGRAMMING WEB COURSES

4100+ Operator Interface Panel (TSPI_FA683)
4100 Advanced Keyboard Operations (TSPI_FA502)
4100 Programming Unit Overview (TSPI_FA727)
4100 Device Types & Point Types (TSPI_FA728)
4100+ Point Lists (TSPI_FA506)
4100+ Operations Programming (TSPI_FA507)
4100+ Audio Programming Essentials (TSPI_FA373)
Creating Custom Control in a 4100+ (TSPI_FA292)

4100ES FIRE ALARM CERTIFICATION

4100ES Fire Alarm Technician Certification

-OR-

Simplex 4100U Fire Alarm Service & Programming Technician Certification

4120 NETWORK WEB COURSE

4120 Network Concepts (TSPI_FA060)
Basics of Customer Networks and TFPP Products (TSPI_FA112)

4120 NETWORK CLASSROOM COURSES

Simplex 4120 Network with TrueSite Workstation (TSPI_FA046)

Simplex 4120/TSW Network Technician Curriculum: 4100 Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA683	4100+ Operator Interface Panels	60 min	0.1

Web-Based

This course will enable you to learn the basic features of a 4100+ operator interface panel. You will identify the functions, components, and connections on this interface. You will also learn the function of the panel display board. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom courses, Simplex 4120 Network (TSPI_FA017) and Simplex TrueSite Workstation (TSPI_FA029).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA502	4100 Advanced Keyboard Operations	45 min	0.1

Web-Based

This course will enable you to learn about the advanced features of the 4100 front panel keypad. You will learn how to perform advanced operations for monitoring and controlling the operation of a 4100 fire alarm system. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom courses, Simplex 4120 Network (TSPI_FA017) and Simplex TrueSite Workstation (TSPI_FA029).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA727	4100 Programming Unit Overview	60 min	0.1

Web-Based

This course will enable you to learn the hardware and software requirements for the 4100 Programming Unit. You will learn how to install and run the 4100 Programming Unit. You will also learn how to create, access, save and download job database files for a 4100 fire alarm system. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom courses, Simplex 4120 Network (TSPI_FA017) and Simplex TrueSite Workstation (TSPI_FA029).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA728	4100 Device Types and Point Types	60 min	0.1

Web-Based

This course will enable you to learn how device types and point types are used in 4100 programming. You will learn about physical and pseudo point types and how point types are assigned and changed in the 4100 Programming Unit. You will also learn how to interpret point type tables. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom courses, Simplex 4120 Network (TSPI_FA017) and Simplex TrueSite Workstation (TSPI_FA029).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA506	4100+ Point Lists	60 min	0.1

Web-Based

This course will enable you to learn the three methods that are used to create point lists when customizing the operation of the 4100+ fire alarm system. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom courses, Simplex 4120 Network (TSPI_FA017) and Simplex TrueSite Workstation (TSPI_FA029).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA507	4100+ Operations Programming	60 min	0.1

Web-Based

This course will enable you to learn about the standard and expanded 4100+ Programmer Operations Menus. You will learn about each menu item and its parameters. You will also learn how changes made in the System Operations Menu affect operational characteristics of the 4100+ fire alarm system. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom courses, Simplex 4120 Network (TSPI_FA017) and Simplex TrueSite Workstation (TSPI_FA029).

Simplex 4120/TSW Network Technician Curriculum: 4100 Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA373	4100+ Audio Programming Essentials	60 min	0.1

This course will enable you to learn the basics of 4100+ audio programming. You will learn how to add and configure an audio controller card and a signal circuit card to an existing 4100+ job in the programmer. You will also learn how to import a chipset file and activate a specific message. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4120 Network (TSPI_FA017).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA292	Creating Custom Control in a 4100+	60 min	0.1

This course will enable you to learn about three common customer scenarios that require custom programming. Using the 4100+ Programmer, you will simulate adding a new equation and editing an existing equation in a custom control program. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4120 Network (TSPI_FA017).

Simplex 4120/TSW Network Technician Curriculum: 4120 Network Web Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA060	4120 Network Concepts	60 min	0.1

This course will enable you to learn the two different styles of networks and the proper wiring. You will learn which systems are allowed on a 4120 network and how their points are used. The concepts, features, functions or operations learned in this web course will be applied in the classroom courses, Simplex 4120 Network (TSPI_FA017) and Simplex TrueSite Workstation (TSPI_FA029).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA112	Basics of Customer Networks and TSP Products	45 min	0.1

This course will enable you to integrate TSP products on your customers' computer networks. You will learn how to install and troubleshoot networked products, computer network safety considerations and MIS configuration requirements. You will also learn key DOS commands for assessing the status of a networked component and performing initial troubleshooting for network issues.

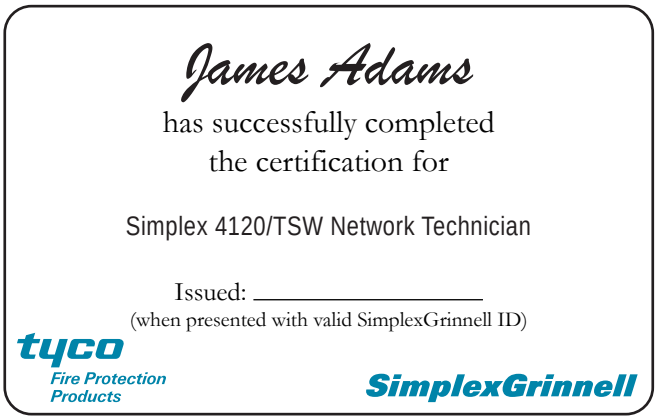
Simplex 4120/TSW Network Technician Curriculum: 4120 Network Classroom Course Descriptions

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA046	Simplex 4120 Network with TrueSite Workstation	8 Days	4.4

This course will enable you to create, connect, program, operate, and troubleshoot a Simplex 4120 Network. This 4120 network includes: 4100+, 4100ES, 4010, Network Display Unit (NDU), Network Voice Command Center (NVCC) and Truesite Workstation (TSW) style fire alarm panels. For the TSW, you will create and edit graphic screens, template screens, command buttons, travel buttons and action messages. You will create and link status icons including color and shape changes. You will learn the operation and programming required for the new Remote Client feature. Finally, you will review the process required to upgrade a GCC or IMS to a TSW. Some of the concepts, features, functions, or operations applied in this classroom course may have been learned in the prerequisite web courses.

This is the end of the 4120 TSW Network curriculum path.

Upon successful completion of all curriculum requirements SimplexGrinnell personnel will be awarded the following certification:



Simplex 4100ES Application Specialist Curriculum

Target Audience:

Sales Representatives, Project Engineers, System Designers

ONLINE TIME	CLASSROOM TIME	TOTAL CEUs
1.5 hours	8.0 days	4.5

Description

This curriculum consists of two online courses and two classroom courses. In the first online course, you will focus on concepts, functions, basic hardware, wiring methods, types of circuits and maintenance of fire alarm systems. In the second online course you will receive a comprehensive introduction to the 4100ES Fire Alarm and its innovative new features. In the classroom courses, you will focus on configuring and designing 4100ES Fire Alarm systems based on sample specifications and code requirements for several applications.

Enrollment

On-line enrollment is available through the Tyco training site:
http://www.tyco-training.com

Training Locations

The Simplex 4100ES Application Specialist Curriculum (classroom portion) is available in all of our training centers except the Dallas Training Center.

Check our website for current classroom schedules:
http://safetyproductstraining.com

Curriculum Path:

Designed for students who sell and/or design Simplex 4100ES Fire Alarm Systems.

PREREQUISITES

1. Working knowledge of fire alarm systems, including general terminology and industry codes and standards.
2. Able to use SimplexGrinnell planning, selling and ordering tools.

BASIC FIRE ALARM WEB COURSE

Basic Fire Alarm Technology-Technicians (TEC 188 O)

CLASSROOM COURSES

4100U Sales Application Workshop (TSPI_FA103)

-OR-

Simplex 4100ES Application Workshop (TSPI_FA203)

4100ES WEB COURSE

Simplex 4100ES Spotlight Series (SG_4100ES_Spotlight)

CLASSROM COURSE

Simplex 4100U Audio Sales Application Workshop (TSPI_FA105)

COURSE:	TITLE:	DURATION:	CEU:
TEC 188 O	Basic Fire Alarm Technology-Technicians	90 min	0.15

Web-Based

This course will enable you to learn about fire alarm systems, their components and applications. You will learn about their hardware, care and maintenance, wiring and circuits. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4100ES Application Workshop (TSPI_FA103).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA203	Simplex 4100ES Application Workshop	5 days	2.8

Web-Based

This course will enable you to configure and design 4100ES fire alarm systems based on sample specifications and code requirements. You will configure and design several types of systems including: a basic panel, 4100ES local annunciator and remote annunciators, a firefighter phone system and non-audio and audio 4100ES MiniPlex transponders. Some of the concepts, features, functions, or operations applied in this classroom course may have been learned in the prerequisite web courses.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA105	Simplex 4100ES Audio Application Workshop	3 days	1.6

Web-Based

This course will enable you to configure and design 4100ES audio panel configurations for a medium-sized, hi-rise occupancy with the appropriate 4100ES audio components and multiplex transponders. You will configure and design 4100ES panel configurations for a medium-sized, low-rise biological occupancy with the appropriate audio components and multiplex transponders incorporating fiber optic modems and custom messaging. You will also configure and design 4100ES panel applications for a large, networked, college campus with the appropriate 4100ES nodes, audio components, multiplex transponders and network hardware. For all three applications, you will use sample specifications and code requirements.

This is the end of the 4100ES Fire Alarm Application Specialist curriculum path.

This curriculum does NOT award a SimplexGrinnell product certification.

Simplex 2120 Multiplex Technician Curriculum

Target Audience:

Technicians

ONLINE TIME	CLASSROOM TIME	TOTAL CEUs
12 Hours	None	1.4

Description

This curriculum consists of several online courses. In these courses, you will focus on multiplex concepts, hardware (e.g. 2120 multiplex system, several transponders, required and optional boards) and basic operation of the status command center.

You will concentrate on the diagnostic program as well as basic troubleshooting for transponders. You will also focus on programming a 2120 multiplex fire alarm system using equation mode and line mode.

Enrollment

On-line enrollment is available through the Tyco training site:
http://www.tyco-training.com

Training Locations

The 2120 Multiplex Curriculum does not have a classroom component. All courses are online.

Check our website for current classroom schedules:
http://safetyproductstraining.com

Curriculum Path:

Designed for students who service and program Simplex 2120 Multiplex Systems.

PREREQUISITES

1. Working knowledge of fire alarm systems, including general terminology and industry codes and standards.

2. Working knowledge of basic electrical wiring

2120 MULTIPLEX HARDWARE COURSES

2120 BMUX (TSPI_FA410)
2120 BMUX Boards Part 1 (TSPI_FA406)
2120 BMUX Boards Part 2 (TSPI_FA403)
2120 BMUX Boards Part 3 (TSPI_FA411)
2120 BT and FABT (TSPI_FA402)
2120 CDT (TSPI_FA404)
2120 Control Boards (TSPI_FA412)
2120 ET (TSPI_FA409)
2120 Status Command Center (TSPI_401)
2120 Service Diagnostics (TSPI_FA400)

2120 MULTIPLEX PROGRAMMING COURSES

2120 Programming—Priorities (TSPI_FA405)
2120 Resident Editing (TSPI_FA408)
2120 SMPL Programming (TSPI_FA407)
2120 Add/Edit SMPL Pro grams (TSPI_FA180)

2120 MULTIPLEX HARDWARE COURSES

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA410	2120 BMUX	40 min	0.1

Web-Based

This course will enable you to identify the three main sections of the legacy, 2120 multiplex fire alarm system. You will learn about the concept behind a multiplex. You will learn about the technical features and the various user interfaces related to a 2120. You will identify the hardware and a typical system configuration. You will also learn the differences (e.g. applications, basic troubleshooting, wiring) between a 2120 and a traditional, hardwired fire alarm system.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA406	2120 BMUX Boards Part 1	40 min	0.1

Web-Based

This course will enable you to identify the controlling boards on a legacy, 2120 multiplex fire alarm system. You will learn about the switch settings, jumper placement and connectors for various boards (e.g. CPU board, local BT board, Celestra interface board). You will learn about the technical features of the motherboard and the CPU board. You will learn about the basic multiplexer (BMUX) front panel display including the local keypad, 20-character display and local printer. You will also learn about the connections to the BMUX power supply and identify the location, mounting and function of the BMUX power converter board.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA403	2120 BMUX Boards Part 2	60 min	0.1

Web-Based

This course will enable you to learn about the switch and jumper settings for the DC transmission board, RS232-C board and the PRAM board on a legacy, 2120 multiplex fire alarm system. You will also learn about the function of these boards.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA411	2120 BMUX Boards Part 3	60 min	0.1

Web-Based

This course will enable you to learn about the technical features and functions of the printer controller board on a legacy, 2120 multiplex fire alarm system. You will learn how to adjust the printer controller board for proper voltage. You will learn about the technical features of the local printers and the front panel display board. You will learn the steps involved in a cold start and the normal, initialization messages displayed. You will identify several, common trouble messages for BMUX boards, an earth ground, a power problem and running in diagnostics mode.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA402	2120 BT and FABT	60 min	0.1

Web-Based

This course will enable you to learn about the technical features and functions of a basic transponder, fire alarm basic transponder, controller board, relay board, power supply and communication channels on a legacy, 2120 multiplex fire alarm system. You will learn how a transponder watches its monitored circuits for normal and abnormal operations and short circuits. You will learn how a transponder interprets monitor point sensing assignments. You will identify six checks for basic troubleshooting and three system troubles associated with a basic transponder or a fire alarm basic transponder.

2120 MULTIPLEX HARDWARE COURSES

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA404	2120 CDT	60 min	0.1

This course will enable you to learn about the technical features and functions of a communicating device transponder on a legacy, 2120 multiplex fire alarm system. You will identify the four basic types of addressable devices that communicate with a communicating device transponder. You will learn about monitor point addressing. You will also learn about troubleshooting a communicating device transponder with eight common troubles.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA412	2120 Control Boards	60 min	0.1

This course will enable you to learn about the technical features and functions of relay boards on a legacy, 2120 multiplex fire alarm system. You will learn about the audio relay board, terminal board, McCulloh loop board, transient suppression board, voltage monitor board, BMUX BT I/O board and I/O and city board.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA409	2120 ET	30 min	0.1

This course will enable you to learn about the technical features and functions of relay boards on a legacy, 2120 multiplex fire alarm system. You will learn about the audio relay board, terminal board, McCulloh loop board, transient suppression board, voltage monitor board, BMUX BT I/O board and I/O and city board.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA401	2120 Status Command Center	60 min	0.1

This course will enable you to learn about the technical features, functions and operation of a legacy, 2120 status command center (SCC). You will learn about the seven conditions that can be annunciated by an SCC. You will identify the five major components of an SCC. You will learn about the relationship between SCC points and the LEDs/switches. You will learn how to use the basic write, alert and read commands to program the SCC. You will also learn about the five common troubleshooting messages related to an SCC as well as CRT keyboard troubleshooting tips.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA400	2120 Service Diagnostics	30 min	0.1

This course will enable you to learn how to use the 2120 Diagnostic Program for effective troubleshooting of a legacy, 2120 multiplex fire alarm system. You will learn how to access this diagnostic program and use the OPR, DAB, PSP, PCF PXF and CLA commands.

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2120 MULTIPLEX PROGRAMMING COURSES

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA405	2120 Programming - Priorities	30 min	0.1

Web-Based

This course will enable you to learn about the priority system for control and digital pseudo points when programming a legacy, 2120 multiplex fire alarm system. You will learn how priorities are assigned to events in 2120 programming. You will analyze an example of a hotel with multiple floors based on an equation of input and output statements.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA408	2120 Resident Editing	30 min	0.1

Web-Based

This course will enable you to learn about the resident editing feature when programming a legacy, 2120 multiplex fire alarm system. You will learn how to change six system parameters at a job site by choosing between seven different commands related to this feature.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA407	2120 SMPL Programming	45 min	0.1

Web-Based

This course will enable you to learn about the programming structure for the 2120 Simplex Multi-Function Programming Language (SMPL) with its forty-eight program blocks. You will learn about the seven logic elements that can be used in INPUT statements. You will identify the SMPL equation structure and how to use ladder logic when creating a program. You will also learn how to use the various INPUT and OUTPUT commands in an equation that you create.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA180	2120 Add/Edit SMPL Programs	45 min	0.1

Web-Based

This course will enable you to learn how to add and edit Simplex Multi-Function Programming Language (SMPL) programs. You will learn about the available commands in equation mode and line mode

This is the end of the Simplex 2120 Multiplex curriculum path.

This curriculum does NOT award a SimplexGrinnell product certification.

Autocall TFX Curriculum

Target Audience:
Technicians

ONLINE TIME	CLASSROOM TIME	TOTAL CEUs
3 Hours	None	0.6

Description

This curriculum consists of a few online courses. You will focus on basic programming to meet the desired system operation for an AUTOCALL TFX fire alarm system.

Enrollment

On-line enrollment is available through the Tyco training site:
http://www.tyco-training.com

Training Locations

The Autocall TFX Curriculum does not have a classroom component. All courses are online.

Check our website for current classroom schedules:
http://safetyproductstraining.com

Curriculum Path:
Designed for students who service and program Autocall TFX Systems.

PREREQUISITES

1. Working knowledge of fire alarm systems, including general terminology and industry codes and standards.

2. Working knowledge of basic electrical wiring

AUTOCALL TFX CURRICULUM COURSES

TFX Basic Programming Overview (TSPI_FA088)
TFX Group Programming Overview (TSPI_FA089)
TFXnet Network Hardware (TSPI_FA093)
TFXnet Network Topology/Troubleshooting (TSPI_FA065)
TFXnet Hardware Programming (TSPI_FA091)
TFXnet Network Programming & Bell Mapping (TSPI_FA092)

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA088	TFX Basic Programming Overview	45 min	0.1

Web-Based

This course will enable you to identify prerequisite CONSYS programming steps for an AUTOCALL TFX 400M, 500M or 800M fire alarm system. You will learn about the menu options for creating, opening and saving CONSYS project files. You will learn to use the CONSYS menus for configuring operational characteristics. You will also identify steps for downloading a CONSYS project file.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA089	TFX Group Programming Overview	45 min	0.1

Web-Based

This course will enable you to learn about TFX groups and their associated programming requirements including input, output and event action groups. You will learn about the options and implications of selecting an input group as well as identifying the recommended programming sequence. You will also learn how to specify variables for Delay-Verify-Coincidence Groups.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA093	TFXnet Network Hardware	45 min	0.1

Web-Based

This course will enable you to learn about the hardware features of the TLI-530 network card and the programming options available for this card. You will learn about the LEDS, switch settings, and connections for the TLI-530 network card. You will also learn to identify media options for connecting panels to a TFX network.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA065	TFXnet Network Topology/Troubleshooting	45 min	0.1

Web-Based

This course will enable you to learn about the five, supported topologies for a TFX network of TFX 400M, 500M and 800M fire alarm systems. You will also learn about the main faults reported for network- related trouble conditions.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA091	TFXnet Hardware Programming	45 min	0.1

Web-Based

This course will enable you to learn about the ThornNet programming options available for a TFXnet network. You will also learn about the programming parameters regarding time-related settings for the TLI-530 network card.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA092	TFXnet Network Prog & Bell Mapping	45 min	0.1

Web-Based

This course will enable you to identify the requirements for TFXnet network programming. You will also learn the concepts, an application and programming requirements for bell mapping.

This curriculum does NOT award a SimplexGrinnell product certification.

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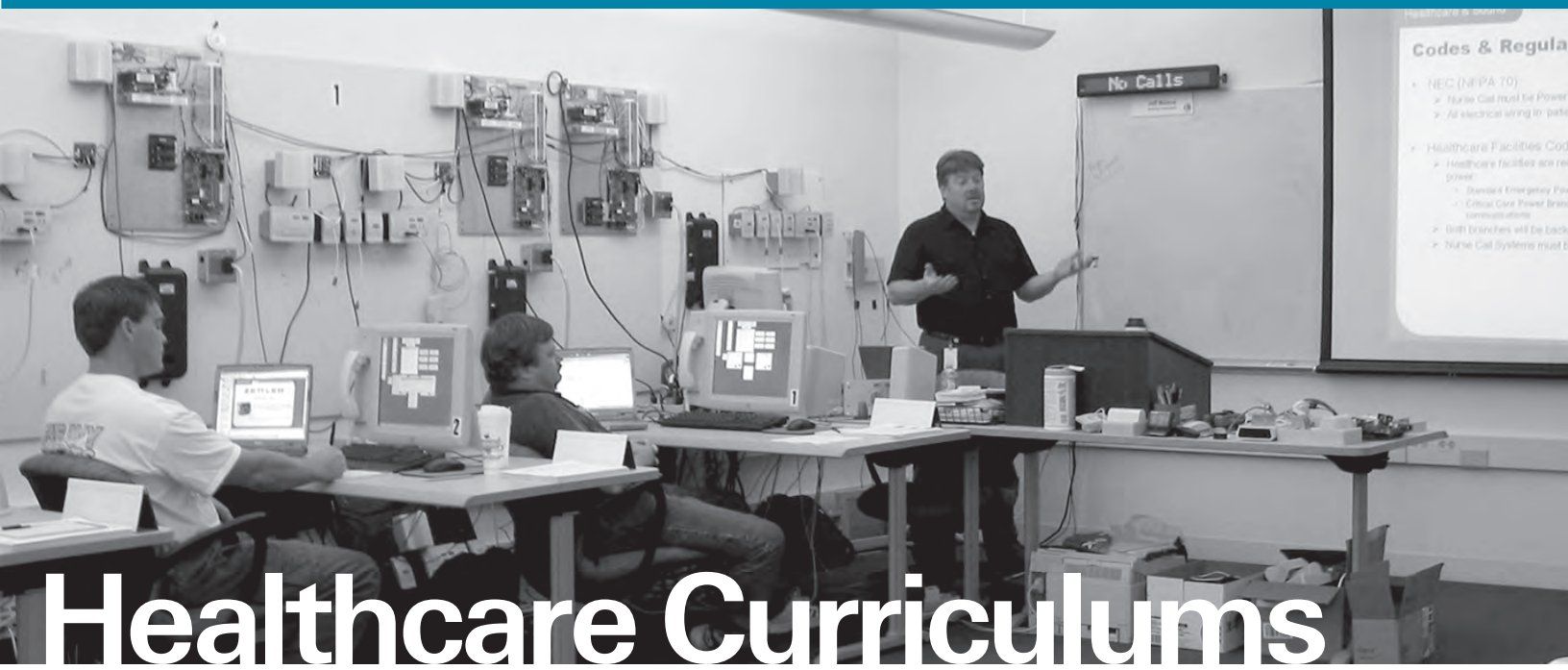
Courses



Healthcare Curriculums

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EZCare Service Technician Curriculum

Target Audience:

Technicians, Project Engineers

ONLINE TIME	CLASSROOM TIME	TOTAL CEUs
3 Hours	4 days	2.5

Description

This curriculum consists of a few online courses and one classroom course. In the online courses, you focus on network concepts as well as required and optional hardware, functions and technical features related to an EZCare System. In the classroom course, you focus on installing, operating, configuring, programming and servicing an EZCare System.

Enrollment

On-line enrollment is available through the Tyco training site:
http://www.tyco-training.com

Training Locations

The EZCare Service Technician Curriculum classroom portion is available in our Westminster, MA training center only.

Check our website for current classroom schedules:
http://safetyproductstraining.com

Curriculum Path:

Designed for students who install, service, and program EZCare Nurse Call Systems and require certification.

PREREQUISITES

1. Basic electrical wiring skills.
2. Basic Computer Skills
3. Working knowledge of healthcare systems, including general terminology and industry codes & standards.

HEALTHCARE WEB COURSES

Intro to HealthCare Communications (TSPI_HC380)
EZCare Product Overview (TSPI_HC090)
EZCare System Architecture (TSPI_HC091)

EZCare CLASSROOM COURSES

EZCare Service (TSPI_HC240)

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC380	Introduction to HC Communications	60 min	0.1

This course will enable you to identify terminology, codes and regulatory agencies that are unique to healthcare communication systems. You will learn about the main hardware and specialized equipment for a healthcare communication system as well as their functions. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, EZCare Service (TSPI_HC240).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC090	EZCare Product Overview	60 min	0.1

This course will enable you to learn the concepts of local operating network (LON) communications and the basic operations of an EZCare System. You will identify the four major categories of hardware for an EZCare System --- core nodes, room hardware, ancillary hardware, and infrastructure devices. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, EZCare Service (TSPI_HC240).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC091	EZCare System Architecture	60 min	0.1

This course will enable you to identify the hardware, functions and limitations of EZCare room controllers and patient stations. You will learn basic network and Local Operating Network (LON) concepts and hardware in an EZCare network, architectural hardware, system capacities, specifications and call lines for an EZCare System. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, EZCare Service (TSPI_HC240).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC240	EZCare Service	4 days	2.2

This course will enable you to operate, install, configure, program, maintain and troubleshoot an EZCare System. You will apply concepts for Local Operating Network (LON) communications, system wiring and system database programming. You will identify technical features, functions, hardware operation and standalone and multi-unit network applications. You will program LON nodes, create a database, configure nodes and troubleshoot the database and hardware. Some of the concepts, features, functions or operations applied in this classroom course may have been learned from the prerequisite web courses.

This is the end of the EZCare Service Curriculum path.

Upon successful completion of all curriculum requirements SimplexGrinnell personnel will be awarded the following certification:

David Leigon

has successfully completed
the certification for

EZCare Service Technician

Issued: _____
(when presented with valid SimplexGrinnell ID)

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EZCare VITALTouch™ Service Technician Curriculum

Target Audience:

Certified EZCare Service Technicians, Project Engineers who have an EZCare Service Technician certification.

ONLINE TIME	CLASSROOM TIME	TOTAL CEUs
3 hours	7 days	4.1

Description

This curriculum consists of a few online courses and two classroom courses. In the online courses, you focus on general healthcare communications concepts as well as the main hardware, functions and operations related to an EZCare System and a VITALTouch Nurse Control Station.

In the classroom courses, you focus on the concepts, hardware, basic operations, basic programming, applications, trouble-shooting and testing of EZCare and VITALTouch Systems..

Enrollment

On-line enrollment is available through the Tyco training site:
http://www.tyco-training.com

Training Locations

The EZCare VITALTouch Service Technician classroom portion is available in our Westminster, MA training center only.

Check our website for current classroom schedules:
http://safetyproductstraining.com

Curriculum Path:

Designed for Certified EZCare Service Technicians who install, service, and program EZCare VITALTouch Nurse Call Systems and require certification.

PREREQUISITES

1. Basic Electrical Wiring skills.
2. Basic Computer Skills.
3. Working knowledge of healthcare systems, including general terminology and industry codes & standards.
4. EZCare Service Technician Certification

- Intro to HealthCare Communications (TSPI_HC380)
- EZCare Product Overview (TSPI_HC090)
- EZCare System Architecture (TSPI_HC091)
- EZCare Service (TSPI_HC240)

EZCare CLASSROOM COURSES

EZCare VITALTouch Service (TSPI_HC241)

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC380	Introduction to Healthcare Communications	60 min	0.1

This course will enable you to identify terminology, codes and regulatory agencies that are unique to healthcare communication systems. You will learn about the main hardware and specialized equipment for a healthcare communication system as well as their functions. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, EZCare Service (TSPI_HC240).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC090	EZCare Product Overview	60 min	0.1

This course will enable you to learn the concepts of local operating network (LON) communications and the basic operations of an EZCare System. You will identify the four major categories of hardware for an EZCare System --- core nodes, room hardware, ancillary hardware, and infrastructure devices. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, EZCare Service (TSPI_HC240).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC091	EZCare System Architecture	60 min	0.1

This course will enable you to identify the hardware, functions and limitations of EZCare room controllers and patient stations. You will learn basic network and Local Operating Network (LON) concepts and hardware in an EZCare network, architectural hardware, system capacities, specifications and call lines for an EZCare System. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, EZCare Service (TSPI_HC240) and EZCare VITALTouch Service (TSPI_HC241).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC240	EZCare Service	4 days	2.2

This course will enable you to operate, install, configure, program, maintain and troubleshoot an EZCare System. You will apply concepts for Local Operating Network (LON) communications, system wiring and system database programming. You will identify technical features, functions, hardware operation and standalone and multi-unit network applications. You will program LON nodes, create a database, configure nodes and troubleshoot the database and hardware. Some of the concepts, features, functions, or operations applied in this classroom course may have been learned from the prerequisite web courses.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC241	EZCare VITALTouch Service	3 days	1.6

This course will enable you to operate, install, program, maintain and troubleshoot an EZCare VITALTouch nurse control station. You will apply the concept of LON vs. LAN networks, the relationship of VITALTouch to EZCare, features and functions of VITALTouch, basic operations and standalone and networked applications. You will program an EZCare System, create VITALTouch floor maps, configure system setup, integrate VITALTouch with peripheral systems and troubleshoot the database, system setup and hardware. Some of the concepts, features, functions, or operations applied in this classroom course may have been learned from the prerequisite web courses.

This is the end of the EZCare VITALTouch Service curriculum path.

Upon successful completion of all curriculum requirements SimplexGrinnell personnel will be awarded the following certification:

David Leigon

has successfully completed
the certification for

EZCare VITALTouch Service Technician

Issued: _____
(when presented with valid SimplexGrinnell ID)

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EZCare TCP/IP Gateway Service

Target Audience:

VITALTouch Certified Technicians

ONLINE TIME	CLASSROOM TIME	TOTAL CEUs
6.0 Hours	9 days	5.4

Description

This curriculum consists of a few online courses and three classroom courses.

In the online courses, you focus on general healthcare communications concepts as well as the main hardware, functions and operations related to an EZCare System and a VITALTouch Nurse Control Station.

In the Skillsoft courses you focus on TCP/IP and VoIP basic concepts. In the classroom courses, you focus on the concepts, hardware, basic operations, basic programming, applications, troubleshooting and testing of EZCare and VITALTouch Systems.

In the HC245 course, you focus on installing, programming and servicing the TCP/IP Gateway in EZCare and VITALTouch systems.

Enrollment

On-line enrollment is available through the Tyco training site:
http://www.tyco-training.com

Training Locations

The EZCare TCP/IP Gateway Technician Curriculum (classroom portion) is available in our Westminster, MA training center only.

Check our website for current classroom schedules:
http://safetyproductstraining.com

Curriculum Path:

Designed for students who service and program EZCare and VITALTouch systems using the TCP/IP Gateway Systems and require certification.

PREREQUISITES

1. Working knowledge of basic electrical wiring
2. Basic Computer Skills
3. Working knowledge of healthcare systems, including general terminology and industry codes and standards.

HEALTHCARE/EZCare WEB COURSES

Intro to HealthCare Communications (TSPI_HC380)
EZCare Product Overview (TSPI_HC090)
EZCare System Architecture (TSPI_HC091)

EZCare SERVICE CLASSROOM COURSES

EZCare Service (TSPI_HC240)
EZCare VITALTouch Service (TSPI_HC241)

SKILLSOFT WEB COURSES

Windows 2000: Core Technologies - TCP/IP (112522)
Introducing Voice over IP (236232)

EZCare TCP/IP Gateway Service CLASSROOM COURSES

EZCare TCP/IP Gateway Service (TSPI_HC245)

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC380	Intro to HealthCare Communications	60 min	0.1

This course will enable you to identify terminology, codes and regulatory agencies that are unique to healthcare communication systems. You will learn about the main hardware and specialized equipment for a healthcare communication system as well as their functions. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom courses, EZCare Service (TSPI_HC240), EZCare VITALTouch Service (TSPI_HC241) and Executone CareCom Plus Service (TSPI_HC244).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC090	EZCare Product Overview	60 min	0.1

This course will enable you to learn the concepts of local operating network (LON) communications and the basic operations of an EZCare System. You will identify the four major categories of hardware for an EZCare system - core nodes, room hardware, ancillary hardware, and infrastructure devices. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom courses, EZCare Service (TSPI_HC240) and EZCare VITALTouch Service (TSPI_HC241).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC091	EZCare System Architecture	60 min	0.1

This course will enable you to identify the hardware, functions and limitations of EZCare room controllers and patient stations. You will learn basic network and Local Operating Network (LON) concepts and hardware in an EZCare network, architectural hardware, system capacities, specifications and call lines for an EZCare System. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, EZCare Service (TSPI_HC240) and EZCare VITALTouch Service (TSPI_HC241).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC240	EZCare Service	4 days	2.2

This course will enable you to operate, install, configure, program, maintain and troubleshoot an EZCare System. You will apply concepts for Local Operating Network (LON) communications, system wiring and system database programming. You will identify technical features, functions, hardware operation and standalone and multi-unit network applications. You will program LON nodes, create a database, configure nodes and troubleshoot the database and hardware. Some of the concepts, features, functions, or operations applied in this classroom course may have been learned from the prerequisite web courses.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC241	EZCare VITALTouch Service	3 days	1.6

This course will enable you to operate, install, program, maintain and troubleshoot an EZCare VITALTouch nurse control station. You will apply the concept of LON vs. LAN networks, the relationship of VITALTouch to EZCare, features and functions of VITALTouch, basic operations and standalone and networked applications. You will program an EZCare System, create VITALTouch floor maps, configure system setup, integrate VITALTouch with peripheral systems and troubleshoot the database, system setup and hardware. Some of the concepts, features, functions, or operations applied in this classroom course may have been learned from the prerequisite web courses.

COURSE:	TITLE:	DURATION:	CEU:
112522	Windows 2000: Core Technologies - TCP/IP	90 min	0.15

Web-Based

Provides an overview of TCP/IP concepts and how they apply to Windows operating system.

COURSE:	TITLE:	DURATION:	CEU:
236232	Introducing Voice over IP	90 min	0.15

Web-Based

Course is designed to identify the components and signalling protocols of VoIP, recognize how VoIP works with the centralized and distributed architectures, and determine the gateway requirements to support both architectures in enterprise and service provider environments

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC245	EZCare TCP/IP Gateway Service	2 days	1.0

Instructor-Led

This course will enable you to install, program, maintain and troubleshoot a TCP/IP Gateway when used in an EZCare / VITALTouch system. You will apply the concept of TCP/IP protocols used in a LON / LAN network, the relationship of VITALTouch and EZCare using a gateway, features and functions of the gateway, basic operations using a web-browser and standalone and networked applications. You will program a gateway, and integrate the gateway with peripheral systems and troubleshoot the database, system setup and hardware. Some of the concepts, features, functions, or operations applied in this classroom course may have been learned from the prerequisite web courses.

This is the end of the EZCare TCP/IP Gateway curriculum path.

Upon successful completion of all curriculum requirements SimplexGrinnell personnel will be awarded the following certification:

Jeffrey Malone

has successfully completed
the certification for

EZCare TCP/IP Gateway Service Technician

Issued: _____
(when presented with valid SimplexGrinnell ID)

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Executone CareCom Plus Technician Curriculum

Target Audience:

TCP/IP Gateway Certified Technicians

ONLINE TIME	CLASSROOM TIME	TOTAL CEUs
1.0 Hours	2 days	1.2

Description

This curriculum consists of several online courses and a few classroom courses. In the online courses, you focus on the main hardware, features, functions and basic operations related to EZ Care, Executone CareCom IIE and Executone HCP Nurse Call Systems. In the classroom courses, you focus on the concepts, hardware, basic operations, basic programming, applications, troubleshooting and testing of EZ Care and VITALTouch Systems.

You also focus on the installation, basic operation and programming for CareCom Plus components.

Enrollment

On-line enrollment is available through the Tyco training site:
http://www.tyco-training.com

Training Locations

The Executone CareCom Plus Technician Curriculum (classroom portion) is available in our Westminster, MA training center only.

Check our website for current classroom schedules:
http://safetyproductstraining.com

Curriculum Path:

Designed for students who service and program CareCom Plus Systems and require certification.

PREREQUISITES

1. Working knowledge of basic electrical wiring
2. Basic Computer Skills
3. Working knowledge of healthcare systems, including general terminology and industry codes and standards.

EXECUTONE AND SKILLSOFT WEB COURSES

Executone CareCom IIE Nurse Call Sys (TSPI_COM384)
Executone HCP Nurse Call System (TSPI_COM385)

CARECOM PLUS CLASSROOM COURSES

Executone CareCom Plus Service (TSPI_HC244)

COURSE:	TITLE:	DURATION:	CEU:
TSPI_COM384	Executone CareCom IIE Nurse Call Sys	30 min	0.1

Web-Based

This course will enable you to learn the components, functions and basic operation of the Executone CARE/COM IIE Nurse Call System. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Executone CareCom Plus Service (TSPI_HC244).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_COM385	Executone HCP Nurse Call System	30 min	0.1

Web-Based

This course will enable you to learn the components, functions and basic operation of the Executone HCP Nurse Call System. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Executone CareCom Plus Service (TSPI_HC244).

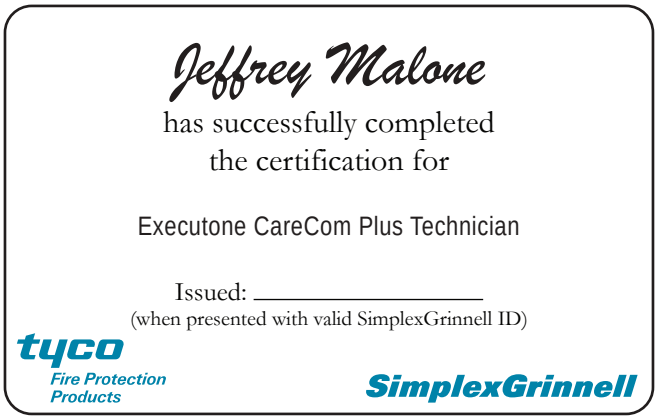
COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC244	Executone CareCom Plus Service	1.5 days	1.0

Instructor-Led

This course will enable you to perform the tasks to convert an existing Executone CareCom IIE Nurse Call System from operating with an Executone IDS Telephone System to operating with an EZCare Nurse Call System. You will learn about the installation, basic operation and programming for CareCom Plus components as well as CareCom Plus integration with EZCare VITALTouch. Some of the concepts, features, functions, or operations applied in this classroom course may have been learned from the prerequisite web courses.

This is the end of the Executone CareCom Plus curriculum path.

Upon successful completion of all curriculum requirements SimplexGrinnell personnel will be awarded the following certification:



Executone HCP/CareCom IIE Technician Curriculum

Target Audience:

Technicians

ONLINE TIME	CLASSROOM TIME	TOTAL CEUs
2.0 Hours	3 days	2.0

Description

This curriculum consists of several online courses and one classroom course. In the online courses, you focus on the main hardware, features, functions and basic operations related to Executone CareCom IIE, Executone HCP and Zettler Nurse Call Systems. In the classroom course, you focus on the programming, basic operation, service, and maintenance of the Executone CareCom IIE/HCP Nurse Call System.

Enrollment

On-line enrollment is available through the Tyco training site:
http://www.tyco-training.com

Training Locations

The Executone HCP/CareCom IIE Technician Curriculum (classroom portion) is available only at the TriTek training facility in San Diego, CA.

Check our website for current classroom schedules:
http://safetyproductstraining.com

Curriculum Path:

Designed for students who service and program HCP/CareCom IIE Systems and require certification.

PREREQUISITES

1. Working knowledge of basic electrical wiring
2. Basic Computer Skills
3. Working knowledge of healthcare systems, including general terminology and industry codes and standards.

HEALTHCARE WEB COURSES

Executone-Zettler Nurse Call Systems:
an Introduction (TSPI_COM605)
Executone Nurse Call Systems (TSPI_COM382)
Executone CareCom IIE Nurse Call Sys (TSPI_COM384)
Executone HCP Nurse Call System (TSPI_COM385)

HCP/CARECOM IIE CLASSROOM COURSE

HCP/CareCom IIE Service Course (TSPI_31910)

COURSE:	TITLE:	DURATION:	CEU:
TSPI_COM605	Executone-Zettler Nurse Call Systems: An Introduction	60 min	0.1

This course will enable you to identify healthcare terms and acronyms as well as types of nurse call systems and their components. You will learn the functions and basic operation of Executone and Zettler Nurse Call Systems. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, HCP/CareCom IIE Service Course (TSPI_31910).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_COM382	Executone Nurse Call Systems	60 min	0.1

This course will enable you to learn the technical features of the Executone Nurse Call Systems that will be the primary and secondary level focus for healthcare communications sales. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, HCP/CareCom IIE Service Course (TSPI_31910).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_COM384	Executone CareCom IIE Nurse Call Systems	30 min	0.1

This course will enable you to learn the components, functions and basic operation of the Executone CARE/COM IIE Nurse Call System. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, HCP/CareCom IIE Service Course (TSPI_31910).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_COM385	Executone HCP Nurse Call System	30 min	0.1

This course will enable you to learn the components, functions and basic operation of the Executone HCP Nurse Call System. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, HCP/CareCom IIE Service Course (TSPI_31910).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_31910	HCP/CareCom IIE Service Course	3 days	1.6

This course, offered through our vendor partner, Tritek, will enable you to operate, service, and maintain the Executone CareCom IIE/HCP Nurse Call System. You will learn to operate a CareCom IIE/HCP Nurse Call System and interpret system signals and indications. You will learn to wire a room station and peripheral devices to an InfoStar/HCP System. You will also learn to configure ProComm software, program a 160-NCS Nurse Control System to an InfoStar/HCP System and configure specified InfoStar/HCP system settings. Some of the concepts, features, functions, or operations applied in this classroom course may have been learned from the prerequisite web courses.

This is the end of the Executone HCP/CareCom IIE Curriculum curriculum path.

Upon successful completion of all curriculum requirements SimplexGrinnell personnel will be awarded the following certification:

Patrick Birt

has successfully completed
the certification for

Executone HCP/CareCom IIE Technician

Issued: _____
(when presented with valid SimplexGrinnell ID)

TRITEK HEALTHCARE
Authorized Executone Healthcare

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Zettler Sentinel 500 Technician Curriculum

Target Audience:

Technicians

ONLINE TIME	CLASSROOM TIME	TOTAL CEUs
3.5 Hours	4 days	2.8

Description

This curriculum consists of several online courses and one classroom course. In the online courses, you focus on the main hardware, features, functions and basic operations related to Zettler's Zetcom I and Sentinel 500 Touch Nurse Call Systems. In the classroom course, you focus on installing, operating, programming and configuring the Zettler Sentinel 500 Nurse Call System.

Enrollment

On-line enrollment is available through the Tyco training site:
http://www.tyco-training.com

Training Locations

The Zettler Sentinel 500 Technician Curriculum (classroom portion) is available in our Westminster, MA training center only.

Check our website for current classroom schedules:
http://safetyproductstraining.com

Curriculum Path:

Designed for students who service and program Zettler Sentinel 500 Nurse Call Systems and require certification.

PREREQUISITES

1. Working knowledge of basic electrical wiring
2. Basic Computer Skills
3. Working knowledge of healthcare systems, including general terminology and industry codes and standards.

EXECUTONE/ZETTLER WEB COURSES

Intro to Healthcare Communications (TSPI_HC380)
Executone-Zettler Nurse Call Systems (TSPI_COM605)
Zettler Nurse Call Systems (TSPI_COM386)
Zettler Nurse Call System ZETCOM1 (TSPI_COM387)
Zettler Nurse Call System Sentinel 500 (TSPI_COM388)

HCP/CARECOM IIE CLASSROOM COURSES

Zettler Sentinel 500 (TSPI_31908)

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC380	Intro to HealthCare Communications	60 min	0.1

Web-Based

This course will enable you to identify terminology, codes and regulatory agencies that are unique to healthcare communication systems. You will learn about the main hardware and specialized equipment for a healthcare communication system as well as their functions. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Zettler Sentinel 500 (TSPI_31908).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_COM605	Executone-Zettler Nurse Call Systems: an Introduction	60 min	0.1

Web-Based

This course will enable you to identify healthcare terms and acronyms as well as types of nurse call systems and their components. You will learn the functions and basic operation of Executone and Zettler Nurse Call Systems. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Zettler Sentinel 500 (TSPI_31908).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_COM386	Zettler Nurse Call Systems	30 min	0.1

Web-Based

This course will enable you to learn about Zettler's Nurse Call Systems from a sales perspective. You will learn about the technical features and benefits of these nurse call systems. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Zettler Sentinel 500 (TSPI_31908).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_COM387	Zettler Nurse Call System ZETCOM1	30 min	0.1

Web-Based

This course will enable you to learn about the components, features, functions and basic operation of the Zettler Zetcom I Nurse Call System. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Zettler Sentinel 500 (TSPI_31908

COURSE:	TITLE:	DURATION:	CEU:
TSPI_COM388	Zettler Nurse Call System Sentinel 500	30 min	0.1

Web-Based

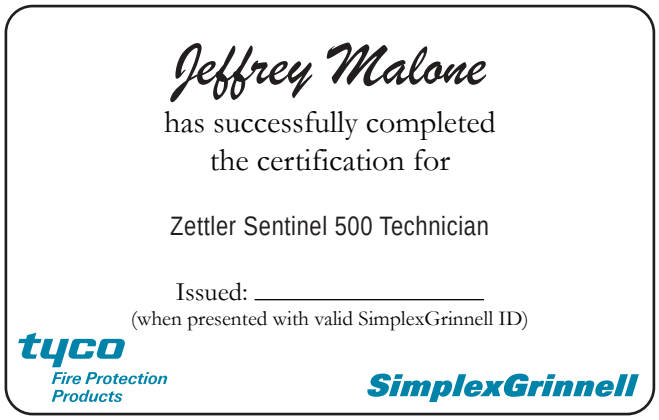
This course will enable you to learn about the components, features, functions and basic operation of the Zettler Sentinel 500 Touch Nurse Call System. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Zettler Sentinel 500 (TSPI_31908).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_31908	Zettler Sentinel 500	4 days	2.3

This course will enable you to operate, install, and program the Zettler Sentinel 500 Nurse Call System. You will learn to operate the basic functions of this nurse call system and interpret system signals and indications. You will learn to create a floor plan along with buttons and labels using Sentinel Touch Config software. You will learn to wire a room station and add a Room Terminal Transponder (RTT), patient station, and associated components into an existing Sentinel 500 Nurse Call System. You will learn to configure this system for networking, silent radio, paging, passive registration integration, an emergency department and AccuTrak Reports. Some of the concepts, features, functions, or operations applied in this classroom course may have been learned from the prerequisite web courses.

This is the end of the Zettler Sentinel 500 curriculum path.

Upon successful completion of all curriculum requirements SimplexGrinnell personnel will be awarded the following certification:



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Courses

Standalone Fire Alarm Courses

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COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA009	4009 IDNet Addressable Controller	45 min	0.1

This course will enable you to learn how to install and configure the 4009 IDNet NAC Extender and its option modules for use with Simplex 4010 or 4100ES fire alarm systems. You will compare features of the 4009 IDNet NAC Extender with the 4009 NAC Extender.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA526	4100ES Custom Control - Time Control Equations	60 min	0.1

This course will enable you to learn how to write a time control equation for a 4100ES fire alarm system. You will learn how to control a point based on the time of day. You will learn how to compare one analog pseudo to another analog pseudo for time. You will also learn how to use the OR, AND, SAVE and RECALL commands in an equation.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA544	4100ES Programming - TrueAlarm Multi Sensor Webinar	60 min	0.1

This course will enable you to identify the technical features and functions of a TrueAlarm multi-sensor. You will learn about the concept behind a TrueAlarm multi-sensor as well as the hardware configuration options. You will also learn about the available programming options.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA513	4100ES v11.03 Service Webinar	60 min	0.1

This course will enable you to identify the V11.03 technical features of the 4100ES fire alarm system. You will learn about the service or installation application of each V11.03 feature (e.g. SmartSync adaptor modules for non-addressable NACs, TrueAlert addressable adaptor modules, IDNet expansion modules and Flex 35 amplifiers).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA523	4100ES-TFX Interface – Technical – Webinar	60 min	0.1

This course will enable you to perform installation programming of a TFXi card for a 4100ES system connected to a TFX network. After a programming demonstration by the facilitator, you will install the card with the aid of the 4100ES Programmer and SMPL programming. You will learn how to set up basic operations for addition of a 4100ES system to an existing TFX network.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA111	Basics of Customer Networks & TFPP Products - Sales	45 min	0.1

This fundamental course introduces computer networks and how to integrate TFPP products on them. At the end of this course, you will be able to describe basic features of a computer network and explain how a TFPP product resides on the network. Terms that you need to communicate with Network Administrators are explained. This course is intended to allow Sales Representatives and other non-technicians to become conversant in computer networks with incorporated TFPP products.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA112	Basics of Customer Networks and TFPP Products - Technician	60 min	0.1

Web-Based

This is a web-based course providing basic networking terms and concepts to provide foundational knowledge for sale, installation, and troubleshooting of networked products. This fundamental course introduces computer networks and how to integrate TFPP products on them. At the end of this course, you will be able to describe basic features of a computer network and explain how a TFFP product resides on the network. Terms that you need to communicate with Network Administrators are explained. In addition, you will learn key DOS commands for assessing the status of a networked component and doing initial troubleshooting for network issues.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA557	Programming 4100ES In-Control and Action Messages	30 min	0.1

Web-Based

This course will enable you to learn how to configure In-Control for 4100ES fire alarm systems with multiple annunciators. You will also learn how to assign action messages.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA555	Simplex 4100ES InfoAlarm Command Center	60 min	0.1

Web-Based

This course will enable you to learn how to install InfoAlarm hardware to upgrade an existing 4100ES fire alarm system. You will learn how to set up InfoAlarm in programming. You will also learn how to configure InfoAlarm for bilingual operation and display options including a Site Map and a Watermark.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA810	TrueAlert Addressable Multi-Candela Appliances		

Web-Based

This course will enable you to learn how to set the candela rating on a TrueAlert power supply using the 4100ES Programmer. You will learn how to interpret common troubles caused by mismatched candela settings. You will learn how to perform a TrueNAC diagnostic test to verify the correct installation of multi-candela appliances and how to generate a TrueNAC Status Report. You will interpret the output codes during a magnet test. You will also identify and recommend solutions to fix three typical problems.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA031	Inspecting and Testing of Simplex Fire Alarm Systems - US	5 days	2.8

Instructor-Led

This course will enable you to develop and implement an inspection plan that meets customer requirements while conforming to NFPA 72 standards. You will assemble and operate all test equipment. You will test and inspect power supplies, initiating devices, notification appliances, annunciators and other interfaced equipment. You will perform sensitivity testing for smoke sensors, interpret results and complete both an oral and written report using customer service skills. Some of the concepts, features, functions or operations applied in this course may have been learned through on-the-job training in the Inspector Entrée Program.

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COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA032	Inspecting & Testing of Simplex Fire Alarm Systems - Canada	5 days	2.8

This course will enable you to develop and implement an inspection plan that meets customer requirements and CAN/ULC standards. You will assemble and operate all test equipment. You will identify various wiring styles used for a fire alarm system configuration and perform circuit isolation testing. You will test and inspect power supplies, initiating devices, notification appliances, annunciators and other interfaced equipment. You will perform sensitivity testing for smoke sensors, interpret results and complete both an oral and written report using customer service skills.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA515	4100ES AUTOCALL XA Loop Interface	60 min	0.1

This course will enable you to learn about the technical features of the 4100ES XA Loop Interface Card. You will identify XALIC compatible AUTOCALL systems. You will also learn about the possible applications when migrating an existing AUTOCALL legacy system to a 4100ES fire alarm system.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA526	4100ES Custom Control - Time Control Equations	60 min	0.1

This course will enable you to learn how to write a time control equation for a 4100ES fire alarm system. You will learn how to control a point based on the time of day. You will learn how to compare one analog pseudo to another analog pseudo for time. You will also learn how to use the OR, AND, SAVE and RECALL commands in an equation.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA851	4100ES Programmer Rev. 11.08 Enhancements	90 min	0.15

This course will enable you to learn some of the new features in Rev. 11.08 of the 4100ES Programmer. You will learn how to configure expansion NAC modules and a new supervisory point. You will learn how to output labels to Microsoft Excel and invert pushbuttons. You will also learn about the CFIG and All Execs Download option.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA544	4100ES Programming - TrueAlarm Multi Sensor	60 min	0.1

This course will enable you to identify the technical features and functions of a TrueAlarm multi-sensor. You will learn about the concept behind a TrueAlarm multi-sensor as well as the hardware configuration options. You will also learn about the available programming options.

COURSE:	TITLE:
TSPI_FA334	Fundamentals of Fiber Optics

In this intensive 3-day program, students learn the fundamentals of installing, terminating, testing and troubleshooting fiber optic communications cabling and optical networks. Beginning with safety and handling of the media, students will then be exposed to all of the elements in a typical fiber optic network including the various cable types, connectors, interconnecting hardware, installation methodologies and industry standards. Students will also be trained on the types of equipment used to test and troubleshoot installed fiber optic cable plants. The program also includes mechanical and fusion splice restoration techniques for damaged cables. The program incorporates a series of hands-on labs to expose students to the art of pulling cables, preparing cables for termination, installing fiber connectors, splicing fiber cables, inspecting connectors, certification testing of fiber systems and system troubleshooting.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA558_v1	Product 101: Simplex 4006 Fire Alarm Control Panel	45 min	0.1

This is a product overview for the Simplex 4006 Fire Alarm Control Panel. You will learn about the market for this panel, basic and optional features, and programming options.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA559_v1	Product 101: Simplex 4008 Fire Alarm Control Panel	45 min	0.1

This is a product overview for the Simplex 4008 Fire Alarm Control Panel. You will learn about the market for this panel, basic and optional features, and programming options.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA734	4100ES Master Controller	45 min	0.1

This course will enable you to learn about the troubleshooting functions of the five LEDs on the 4100ES master controller. You will learn how to replace and troubleshoot the master controller and upgrade the master controller executive software. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4100ES Service & Programming (TSPI_FA078).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA730	4100ES System Power Supply	45 min	0.1

This course will enable you to learn the functions and the locations of the power supply connectors, LEDs, and the switch. You will also identify the functions and the placement of the 4100ES system power supply in the CPU bay. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4100ES Service & Programming (TSPI_FA078).

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA800	4100ES Programmer Overview	60 min	0.1

This course will enable you to learn the functions of the major tabs in the 4100ES Programmer. You will learn to relate these tabs to the workflow of a 4100ES job. Some of the concepts, features, functions or operations learned in this web course may be applied in the classroom course, Simplex 4100ES Service & Programming (TSPI_FA078).

Courses

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COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC604	EZCare Features and Functions	60 min	0.1

This course will enable you to learn about the features and functions of the EZCare Phase 1 System. You will learn how these system features work and which features are programmable. You will also identify which features are supported by each system component.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC606	EZCare Launch	60 min	0.1

This course will enable you to learn about Phase 1 of the EZCare Product Launch. You will learn about the sales and marketing strategy for existing Executone/Zettler products. You will identify our sales goals for a single, scalable, global healthcare system and a stable platform to provide a migration path for existing systems.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC609	EZCare Phase 1 - Room Controllers	60 min	0.1

This course will enable you to learn about properties of an EZCare room controller and how a room controller is used. You will identify inputs and outputs for a room controller. You will learn how to attach multiple units to a single call line with and without supervision. You will review sample room configurations to learn how to apply room controllers to different configurations and to identify programmable call point options.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC613	EZCare Phase 1 System Design Overview	60 min	0.1

This course will enable you to configure an EZCare System. You will identify cabling guidelines and learn how to construct proper cable runs. You will learn about the use of repeaters and end-of-line resistors as well as power supply requirements and placement. You will also identify wiring standards and system capabilities.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC612	EZCare Phase 1 System Overview	60 min	0.1

This course will provide you with a system overview of the EZCare Phase 1 System. You will identify the market segment that each phase is designed to serve. You will learn about Phase I system components and their features.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC608	EZCare Sales Presentation	60 min	0.1

This course will enable you to learn about the EZCare benefits analysis and challenges for healthcare customers.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC611	EZCare Voice System Configuration	60 min	0.1

This course will enable you to identify configuration guidelines for the EZCare with Voice (Audio) Nurse Call System. You will learn how to use the EZCare Configurator to select EZCare components and to calculate power supply, wiring requirements and labor hours. You will also learn to create an OASYS job design file.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC610	EZCare with Voice - Sales Training	60 min	0.1

This course will enable you to learn about the advantages of the EZCare Nurse Call System with Voice. You will learn how this system differs from the EZCare Tone/Visual System. You will also learn about system features and components.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC614	Tyco CareCom II-E	60 min	0.1

This course will enable you to learn about the components, features, functions and basic operation of the CareCom II-E System.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC616	Zettler Sentinel Signal Glossary	60 min	0.1

This course will enable you to learn about the Zettler Sentinel 500 signal glossary and its significant signals.

Courses

Standalone Miscellaneous Courses

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COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA062	CO Sensor Bases for Sales Reps/Project Engineers	45 min	0.1

Web-Based

This course will enable you to learn about the components, features, basic operation and functions of CO sensor and sounder bases. You will learn how to choose the correct sensor for three jobs based on a micro-case study and a job aid.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_FA063	CO Sensor Bases for Technicians	45 min	0.1

Web-Based

This course will enable you to learn about the components, features, functions and general operation of CO sensor and sounder bases. You will learn how to view the status of CO sensor points. You will also learn how to set up service test mode for CO sensors.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_COM601	Master Clock Systems	60 min	0.1

Web-Based

This course will enable you to learn about the basic concepts, features and benefits regarding master clock and carrier current systems. You will identify the types of master clock systems, their basic components and how they work. You will learn the technical differences between master clock systems. You will learn the basic components of a carrier current system and how it works. You will also learn about the alternating current principle as it applies to a carrier current system.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_HC607	Master Time Systems	60 min	0.1

Web-Based

This course will enable you to learn operational concepts for a master time system. You will learn about the technical features of the various products and their clock configurations.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_OT615	Overview of Time Solutions—Jan 2004	60 min	0.1

Web-Based

This course will enable you to identify time solutions applications. You will also learn about time solutions products and services.

COURSE:	TITLE:	DURATION:	CEU:
TSPI_SAF231	Power Line Carrier Inspection and Service Safety	90 min	0.15

This course will enable you to learn about the specialized hazards associated with power line carrier equipment. You will learn how to choose the appropriate personal protective equipment and the correct tools when servicing power line carrier systems. You will identify the roles and responsibilities of a technical representative, inspector, or installer when performing a service or inspection call. You will learn how to use the equipment matrix and a PCB decision flowchart to identify equipment and safely perform necessary procedures. You will learn how to pre-plan and execute a safe inspection or service call on power line carrier systems.

COURSE:	TITLE:
TSPI_FA334	Fundamentals of Fiber Optics

In this intensive 3-day program, students learn the fundamentals of installing, terminating, testing and troubleshooting fiber optic communications cabling and optical networks. Beginning with safety and handling of the media, students will then be exposed to all of the elements in a typical fiber optic network including the various cable types, connectors, interconnecting hardware, installation methodologies and industry standards. Students will also be trained on the types of equipment used to test and troubleshoot installed fiber optic cable plants. The program also includes mechanical and fusion splice restoration techniques for damaged cables. The program incorporates a series of hands-on labs to expose students to the art of pulling cables, preparing cables for termination, installing fiber connectors, splicing fiber cables, inspecting connectors, certification testing of fiber systems and system troubleshooting.