

Connecticut Technical High School System
Connecticut State Department of Education

ELECTRICAL
APPRENTICESHIP
INFORMATION PACKET
2009-10

Covering the following licenses:

E-2 Electrician

L-6 Low Voltage

T-2 Telephone Interconnect

C-6 Telephone Interconnect/Low Voltage

The following section, **Apprentice Responsibilities**, is taken from the **Apprentice Handbook & Progress Report**, which is given to each apprentice at the beginning of their training by the Office of Apprenticeship Training, Connecticut State Labor Department.

Apprentice Responsibilities:

- 1. Work safely.**
- 2. Avoid absenteeism and tardiness at work and at school.**
- 3. Attend and participate in related instruction and maintain the highest possible grades.**
- 4. Be involved and show dedication to your training (both on the job and in the classroom).**
- 5. Keep track of your training hours, (either in the form of work records or logbook) and advise your supervisor of any deficiencies in your apprenticeship training.**
- 6. Show dedication and interest in learning the trade.**
- 7. Show respect to the skilled journeypersons training and supervising you.**
- 8. Comply with the provisions of the Apprentice Agreement.**
- 9. Follow your sponsor's written work rules and policies.**
- 10. You must be accompanied by a journeyperson while on the job site.**

Concerning related classroom instruction, each apprentice student is expected:

- To purchase the textbooks required for each course
- To complete all instructor assigned quizzes and exams as well as any academic reinforcement activities.

NOTE: A minimum grade of 75% is necessary to pass each course.

**CONNECTICUT TECHNICAL HIGH SCHOOL SYSTEM
APPRENTICE RELATED INSTRUCTION LOCATIONS AND STAFF**

Kathleen Mason, Education Consultant Kathy.Mason@ct.gov	Central Office 25 Industrial Park Rd., Middletown 06457	PHONE # 860-807-2219
Henry Abbott THS Hayestown Ave. Danbury 06810	Jaime Rivera, Apprentice Supervisor Jaime.Rivera@ct.gov	203-797-4460 X 4423 Fax 203-797-4382
Ella Grasso THS 189 Fort Hill Rd. Groton 06340	Tony Baker, Apprentice Supervisor Tony.Baker@ct.gov	860-448-0220 Fax 860-446-9895
Oliver Wolcott THS 75 Oliver St. Torrington 06790	Keith Bishop, Apprentice Supervisor Keith.Bishop@ct.gov	860-496-5300 x539 Fax 860-496-9022
	Ken Woolley, Apprentice Supervisor Kenneth.Woolley@ct.gov	860-496-5300 Fax 860-496-9022
W.F. Kaynor THS 43 Tompkins St. Waterbury 06708	Vacant, Apprentice Supervisor @ct.gov	203-596-4302 x305 Fax 203-596-4121
	Vacant, Apprentice Supervisor @ct.gov	203-596-4302 x305 Fax 203-596-4121
Bristol Technical Education Ctr 431 Minor ST. Bristol 06010	Ben Russell, Apprentice Supervisor Ben.Russell@ct.gov	860-584-8433 X380 Fax 860-584-0795
	Allen Meyerhoff, Apprentice Supervisor Allen.Meyerhoff@ct.gov	860-584-8433 X380 Fax 860-584-0795
Howell Cheney THS 791 W. Middle Tpke. Manchester 06040	Bruce McKechnie, Apprentice Supervisor Bruce.McKechnie@ct.gov	860-649-5396 Fax 860-649-5263
	Peter Boudo, Apprentice Supervisor Peter.Boudo@ct.gov	860-649-5396 Fax 860-649-5263
A.I.Prince THS 401 Flatbush Ave., Hartford 06106	Peter Jennings, Apprentice Supervisor Peter.Jennings@ct.gov	860-951-7112 x3332 Fax 860-951-1529
	Joel Zimmerman, Apprentice Supervisor	860-951-7112 x3332
Vinal THS 60 Daniels St. Middletown 06457	Eric Hilversum, Apprentice Supervisor Eric.Hilversum@ct.gov	860-344-7100 Fax 860-344-2622
E.C. Goodwin THS 735 Slater Rd. New Britain 06053	Frank Sesto, Apprentice Supervisor Frank.Sesto@ct.gov	860-827-7736 X312 Fax 860-827-7862
Norwich THS 7 Mahan Drive, Norwich, 06360	Mary Lunt, Apprentice Supervisor MaryEllen.Lunt@ct.gov	860-889-8453 x2174 Fax 860-886-4632
	Gilda Puccio, Apprentice Supervisor Gilda.Puccio@ct.gov	860-889-8453 x2116 Fax 860-886-4632
Emmett O'Brien THS 141 Prindle Ave. Ansonia 06401	Vacant, Apprentice Supervisor @ct.gov	203-732-1832 Fax 203-735-6236
Bullard Havens THS 500 Palisade Ave. Bridgeport 06610	Brian Schaefer Apprentice Supervisor Brian.Schaefer@ct.gov	203-579-6888 Fax 203-579-6904
	Thomas Grace, Apprentice Supervisor	203-579-6888
Eli Whitney THS 71 Jones Road, Hamden 06604	Peter Dzialo, Apprentice Supervisor Peter.Dzialo@ct.gov	203-397-4031 X326 Fax 203-397-4129
	Henry Galarraga, Apprentice Supervisor Henry.Galarraga@ct.gov	203-397-4031 X326 Fax 203-397-4129
J.M. Wright THS P.O.Box 1416, Stamford 06904	Keith Stadler, Apprentice Supervisor Keith.Stadler@ct.gov	203-324-7363 X390 Fax 203-324-1196

Regional Apprenticeship Representatives
Office of Apprenticeship Training
Department of Labor

Region 1: Paul Femia, paul.femia@ct.gov

(860) 263-6128

Towns Served:

Amston	East Lyme	Lisbon	North Windham	Stonington
Andover	Franklin	Lyme	Oakdale	Storrs
Bozrah	Gales Ferry	Mansfield	Old Lyme	Taftville
Ballouville	Griswold	Montville	Pawcatuck	Voluntown
Baltic	Groton	Moosup	Plainfield	Waterford
Brooklyn	Hampton	Mystic	Preston	Willimantic
Canterbury	Hebron	New London	Quaker Hill	Windham
Chaplin	Jewett City	Niantic	Scotland	Yantic
Columbia	Killingly	North Franklin	South Lyme	Uncasville
Coventry	Lebanon	North Stonington	Sprague	
Danielson	Ledyard	Norwich	Sterling	
Dayville				

Region 2: Larry Satchell, larry.satchell@ct.gov

(860) 263-6084

Towns Served:

Ashford	Glastonbury	Rockville	Thompson	Willington
Bolton	Grosvenordale	Rocky Hill	Tolland	Windsor
Broad Brook	Manchester	Somers	Union	Windsor Locks
East Windsor	North Grosvenordale	South Glastonbury	Vernon	Woodstock
East Woodstock	Promfret Center	South Windsor	Suffield	Woodstock Valley
Eastford	Putnam	Stafford Springs	West Suffield	
Ellington	Quinebaug	Enfield		

Region 3: Owen Golding, owen.golding@ct.gov

(860) 263-6083

Towns Served:

Avon	Collinsville	Granby	Oakville	Thomaston
Bantam	Cornwall	Hartland	Pequabuck	Unionville
Barkhamstead	Cornwall Bridge	Harwinton	Pine Meadow	Watertown
Bethlehem	East Canaan	Lakeville	Pleasant Valley	Weatogue
Bloomfield	East Granby	Litchfield	Plymouth	West Granby
Bridgewater	East Hartland	Morris	Riverton	West Hartford
Burlington	Falls Village	New Hartford	Salisbury	West Hartland
Canaan	Farmington	Norfolk	Sharon	West Simsbury
Canton	Forestville	North Canaan	Simsbury	Warren
Canton Center	Gaylordsville	North Canton	Suffield	Washington
Kent	Goshen	North Granby	Terryville	Washington Depot
	New Milford	Roxbury	South Kent	Winsted
	New Preston	Sherman	Torrington	

Regional Apprenticeship Representatives

Region 4: Gina Knox, gina.knox@ct.gov

(860) 263-6277

Towns Served:

Bridgeport	Fairfield	Norwalk	Stamford	Weston
Cos Cob	Greenwich	Old Greenwich	Stratford	Westport
Darien	Milford	Riverside	Trumbull	Wilton
Danbury	Monroe	Rowayton	Bethel	Ridgefield
East Norwalk	New Canaan	South Norwalk	Brookfield	Sandy Hook
Easton	New Fairfield	Newtown	Redding	

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Region 5: Tammie Whiting, tammie.whiting@ct.gov

(860)263-6154

Towns Served

Bethany	Durham	Hamden	New Haven	Orange
Branford	East Haddam	Higganum	North Branford	Salem
Centerbrook	East Hampton	Ivoryton	North Haven	West Haven
Chester	East Haven	Killingworth	North Salem	Westbrook
Clinton	Essex	Madison	Northford	Woodbridge
Colchester	Guilford	Marlborough	Old Saybrook	
Deep River	Haddam	Moodus		

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Region 6: Keri Lamontagne, keri.lamontagne@ct.gov

(860) 263-6129

Towns Served:

Berlin	Kensington	Middletown	Plantsville	Southington
Bristol	Marion	Milldale	Portland	Wallingford
Cheshire	Meriden	New Britain	Rockfall	Yalesville
Cromwell	Middlefield	Plainville	South Meriden	Wolcott
East Berlin				

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Region 7: Robert Albini, robert.albini@ct.gov

(860) 263-6585

Towns Served:

Ansonia	Huntington	Oxford	South Britain
Beacon Falls	Middlebury	Prospect	Southbury
Derby	Naugatuck	Seymour	Waterbury
		Shelton	Woodbury

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Region 8: Ken Duff, kenneth.duff@ct.gov

(860) 263-6167

Towns Served:

East Hartford	Newington
Hartford	Wethersfield

Electrical Work Licenses: Licenses Expire annually: September 30th

Section 20-330 of the Connecticut General Statutes

"Electrical work" means the installation, erection, maintenance, alteration or repair of any wire, cable, conduit, busway, raceway, support, insulator, conductor, appliance, apparatus, fixture or equipment which generates, transforms, transmits or uses electrical energy for light, heat, power or other purposes.

E-1 Unlimited Electrical Contractor

The holder of this license may do all electrical work as defined in section 20-330 of the General Statutes.

E-2 Unlimited Electrical Journeyman

The holder of this license may do the same work as an E-1 licensee, but only while in the employ of a contractor licensed for such work.

L-5 Limited Electrical Contractor

The holder of this license may perform only work limited to ADT, similar or low voltage signal work, audio and sound systems. The installation or repair of any electrical work for plating or similar low voltage work is not authorized. The voltage of the system is not to exceed 25 volts or five amperes where such work commences at an outlet receptacle or connection previously installed by a person holding the proper electrical license.

L-6 Limited Electrical Journeyman

The holder of this license may perform the same work as the L-5 licensee, but only while in the employ of a contractor licensed for such work..

C-5 Limited Electrical Contractor

The holder of this license may perform only work limited to ADT, similar or low voltage signal work, audio and sound systems, and telephone-interconnect systems. The installation, repair, maintenance of any electrical work for plating is not authorized. The voltage of any system is not to exceed forty-eight (48) volts or five (5) amperes where such work commences at an outlet receptacle or connection previously installed by a person holding the proper electrical license.

C-6 Limited Electrical Journeyman

The holder of this license may perform the same work as the C-5 licensee, but only while in the employ of a contractor licensed for such work.

T-1 Limited Electrical Contractor

The holder of this license may perform only work limited to telephone-interconnect systems where such work commences at an outlet receptacle or connection previously installed by a person holding the proper electrical license.

T-2 Limited Electrical Journeyman

The holder of this license may perform the same work as the T-1 licensee, but only while in the employ of a contractor licensed for such work.

Connecticut Technical High School System

Effective- January 1, 2002

E-2 ELECTRICAL APPRENTICESHIP

COURSE SEQUENCE AND PREREQUISITES

Related Instruction- 720 Hours

OJT - 8000 Hours

COURSES (EACH COURSE IS 36 HOURS)	Course number	Semester	Prerequisites
FIRST YEAR COURSES:			
Basic Math Computations	A0001	1	
Blueprint Reading	A0031	1	
Algebra with Trigonometry	A0005	2	A0001
Electrical Theory I	A0901	2	
Building Trade Safety	A0099	2	
SECOND YEAR COURSES:			
Electrical Code I	A0904	1	
Telecom Cabling	A0925	1	
Electrical Code II	A0905	2	A0904
Basic Telecommunications	A0924	2	
Electrical Theory II	A0902	2	A0901
THIRD YEAR COURSES:			
Electrical Code III	A0909	1	A0904, A0905
Motor Controls	A0906	1	
Basic Alarm Technology	A0927	2	
Semiconductors for Electricians	A0908	2	
Logic Circuits-Programmable Controllers, Part 1	A0914	2	A0906
FOURTH YEAR COURSES:			
Logic Circuits-Programmable Controllers, Part II	A0926	1	A0914
Motor and Generator Theory	A0907	1	
Fire, Access & CCTV Systems	A0928	2	
Electrical Code IV	A0910	2	A0904, A0905, A0909
Power Distribution and Load Calculations	A0917	2	

Connecticut Technical High School System

Effective- January 1, 2002

T-2 Telephone Interconnect Electrical Apprenticeship

COURSE SEQUENCE AND PREREQUISITES

Related Instruction- 288 Hours

OJT-4000

Courses (EACH COURSE IS 36 HOURS)	Course Number	Year	Semester	Prerequisites
Basic Math Computations	A0001	1	1	
Blueprint Reading	A0031	1	1	
Electrical Theory I	A0901	1	2	
Building Trade Safety	A0099	1	2	
Electrical Code I	A0904	2	1	
Basic Telecommunications	A0924	2	1	
Electrical Theory II	A0902	2	2	A0901
Telecom Cabling	A0925	2	2	

Effective- January 1, 2002

L-6 Low Voltage Electrical Apprenticeship

COURSE SEQUENCE AND PREREQUISITES

Related Instruction- 288 Hours

OJT-4000

Courses (EACH COURSE IS 36 HOURS))	Course Number	Year	Semester	Prerequisites
Basic Math Computations	A0001	1	1	
Blueprint Reading	A0031	1	1	
Electrical Theory I	A0901	1	2	
Building Trade Safety	A0099	1	2	
Electrical Code I	A0904	2	1	
Basic Alarm Technology	A0927	2	1	
Electrical Theory II	A0902	2	2	A0901
Fire, Access & CCTV Systems	A0928	2	2	

C-6 Telephone Interconnect/Low Voltage Electrical Apprenticeship

COURSE SEQUENCE AND PREREQUISITES

Related Instruction- 360 Hours

OJT-4000

Courses (EACH COURSE IS 36 HOURS)	Course Number	Year	Semester	Prerequisites
Basic Math Computations	A0001	1	1	
Blueprint Reading	A0031	1	1	
Electrical Theory I	A0901	1	1	
Electrical Code I	A0904	1	2	
Building Trade Safety	A0099	1	2	
Basic Alarm Technology	A0927	2	1	
Basic Telecommunications	A0924	2	1	
Fire, Access & CCTV Systems	A0928	2	2	
Electrical Theory II	A0902	2	2	A0901
Telecom Cabling	A0925	2	2	

E-2 Electrical Curriculum
Related Instruction-720 Hours
Table of Contents

Course: Basic Math Computations **A0001** **36 Hours**

- A. Computations Using Real Numbers
- B. Computations Using Fractions
- C. Computations Using Decimal Fractions
- D. Base, Rate, and Portion
- E. Computation of Area and Volume
- F. Units of Measurements

Course: Blueprint Reading **A0031** **36 Hours**

- A. Application of Building Codes and Standards
- B. Introduction to Blueprint Reading
- C. Alphabet of Lines and Symbols
- D. Orthographic Projection Drawings
- E. Construction Dimensions and Construction Materials
- F. Reading Plot Plans and Contour Maps
- G. Footings, Foundations and Floor Blueprint Structural Steel, Framing Blueprints
- H. Plumbing System Blueprints
- I. H.V.A.C. System Blueprints
- J. Electrical Systems Blueprints

Course: Algebra with Trigonometry **A0005** **36 Hours**

Prerequisite: Basic Math Computations

- A. Power and Roots
- B. Groupings
- C. Addition, Subtraction, Multiplication and Division of Polynomials
- D. Solving Word Problems
- E. Identifying Triangles and Angles
- F. Pythagorean Theorem
- G. Trigonometric Functions, Sines, Cosines & Tangents
- H. Solution of Problems

Course: Electrical Theory I **A0901** **36 Hours**

- A. Introduction to Electricity and Matter
- B. Electricity Production and Use
- C. Electrostatics and Basic Circuit Concepts
- D. Scientific Notation and Metric Prefixes
- E. Electric Measurements
- F. Conductors, Resistance & Insulators
- G. OHM's Law, Electrical Power and Energy
- H. Series Circuit Calculations
- I. Parallel Circuit Calculations
- J. Series – Parallel Circuits

Course: Building Trade Safety **A0099** **36 Hours**

- A. Introduction To Building Trade Safety
- B. Identify Potential Danger
- C. Safety and Protective Equipment (PPE)
- D. Hand Tool Safety
- E. Ladder Safety
- F. Lock-out / Tag-out
- G. Portable Electrical Tools and Equipment
- H. Identify Hazardous Material, Using a Material Safety Data
- I. Lifting Objects
- J. Assured Grounding
- K. Trenches
- L. Rigging Equipment for Material Handling

Course: Electrical Code I **A0904** **36 Hours**

- A. Articles 80-225, 300-310 & Chapter 9

Course: Telecom Cabling **A0925** **36 Hours**

- A. Telephone Cable
- B. Connection Methods
- C. Distribution
- D. LAN Cabling
- E. Grounding
- F. Telecom Code

Course: Electrical Code II **A0905** **36 Hours**

Prerequisite: Code I

- A. Articles 230-427 & Chapter 9

Course: Basic Telecommunications **A0924** **36 Hours**

- A. Describing basic telephone terms and there usage
- B. Ohms Law and Circuits
- C. Dial Tone and Components of a Telephone
- D. LATAs Local Access Transport Area. Placing a Local Phone Call
- E. LD Network and Preferred Inter-exchange carrier. Placing a Long Distance Phone Call
- F. Understanding POTS Lines
- G. The Telecom Landscape – The Players
- H. The Telecom Landscape – The Customers
- I. Basic Voice Network Concepts
- J. Fundamentals of Transmission Systems
- K. Fundamentals of Data Communications
- L. Fundamentals of LANs
- M. ISDN BRI and PRI Lines
- N. Private Line Services
- O. Understanding Key Systems
- P. What is a PBX?
- Q. Voice Mail Integration with Key Systems and PBXs

Course: Electrical Theory II **A0902** **36 Hours**

Prerequisite: Electrical Theory I

- A. Introduction to Alternating Current
- B. Alternating-Current Circuits Containing Resistance and Inductance in Alternating – Current Circuits
- C. Series Circuits – Resistance and Impedance and Resolving Vectors
- D. Capacitors, dielectric of capacitors, elementary functions of each part. Capacitors connected in series and parallel. Also RC and RL time constants
- E. Capacitors in alternating current circuits. Capacitive reactance
- F. Series Circuits: Resistance, Inductive Reactance, and Capacitive Reactance
- G. AC parallel circuits with branches containing resistance, inductance and capacitance

Course: Electrical Code III **A0909** **36 Hours**

Prerequisite: Code I & II

- A. Articles 430 Motors – 490 Equipment over 600 volts

Course: Motor Controls **A0906** **36 Hours**

- A. Tools, Instruments and Safe Work Habits.
- B. Control Language, Symbols and Diagrams
- C. Logic Applied to Control Circuits
- D. Motor Control, Control Devices.
- E. Control Circuits
- F. Troubleshooting Control Circuits

Course: Basic Alarm Technology **A0927** **36 Hours**

- A. Terms & Definitions: Describing basic Alarm terms and there usage.
- B. Basic Electronic Theory: Ohms Law and Circuits
- C. Perimeter Protection: Perimeter devices and sensors
- D. Sound Protection: Sound devices and sensors
- E. Interior Protection: Interior devices and sensors.
- F. Control Panel Features: Control Panel and Key Pad functionality.
- G. TELCO Connection with an RJ31X and line seizure. The Central Station

Course: Semiconductors for Electricians **A0908** **36 Hours**

- A. Electrical Safety
- B. PC Board Construction and Repairs.
- C. Semiconductors and Diodes
- D. DC Power Supplies, Transducers, and Transistors
- E. Integrated Circuits, specific Inputs and Outputs

Course: Logic Circuits-Programmable Controllers, Part I **A0914** **36 Hours**

Prerequisite: Motor Controls

- A. Introducing Logic and the PLC Number System
- B. Symbols, Truth Tables, and Logic
- C. Boolean Algebra, Logic circuits and PLC operation
- D. Introduction to Logic and PLC Operation
- E. Data Organization, Programming

Course: Logic Circuits-Programmable Controllers, Part II A0926 36 Hours

Prerequisite: Logic Circuits Part I

- A. Relay Programming Instructions
- B. Understanding Safe and Proper Programming
- C. Documenting your System
- D. Comparing, Timers, Counters, and Data Handling Instructions.
- E. Troubleshooting, Debugging and Diagnostic Capabilities

Course: Motor and Generator Theory A0907 36 Hours

- A. Introduction to Generators
- B. Types of Motors
- C. Single-Phase Motors
- D. Polyphase Motors
- E. Reviewing Motor Circuit Calculations

Course: Fire, Access & CCTV Systems A0928 36 Hours

- A. Terms & Definitions: Describing Basic Fire Alarm Terms and there Usage
- B. Basic Elements and CPU Features
- C. Signal Initiation and Types of Initiating Devices
- D. Notification Appliances and Extinguishing Systems
- E. System Design, Approvals, Authorities and Acceptance
- F. Testing and Maintenance
- G. Introduction to Access Control and Forms of Access Control
- H. Access Control Major Devices
- I. Access Control Controller, Software, Code Compliance and Wiring Standards
- J. Common Types of CCTV
- K. CCTV Basic Components
- L. CCTV Basic Technology

Course: Electrical Code IV A0909 36 Hours

Prerequisite: Code I, II & III

- A. Hazardous Locations and Special Occupancies, Articles 500-516
- B. Health Care Facilities, Article 517
- C. Special Occupancies, Articles 518-555
- D. Special Equipment, Article 600-695
- E. Special Conditions, Article 700-780
- F. Communication Systems, Articles 800-830
- G. Tables & Annex
- H. Code Review

Course: Power Distribution and Load Calculations A0917 36 Hours

- A. Voltage Drop and Wire Sizes
- B. Power Transformers
- C. Three-Phase Power
- D. Poly Phase Systems
- E. Special Transformer Connections and Harmonics
- F. Power Factor Correction
- G. Load Calculations – Small Commercial Building – Phase I
- H. Load Calculations – Small Commercial Building – Phase II

Booklist for Electrical Apprentice Students:

PLEASE NOTE: The current National Electric Code must be brought to all Electrical Theory and Blueprint Reading Courses.

For Math Courses (A0001, A0005):

- Applied Mathematics, R. Jesse Phagan, Goodheart-Willcox Company, Inc., ISBN 1-56637-995-4
- Workbook: Applied Mathematics, R. Jesse Phagan, Goodheart-Willcox Company, Inc., ISBN 1-56637-996-2

For Blueprint Reading (A0031):

- Print Reading for Construction, Residential and Commercial by Walter C. Brown and Daniel P. Dorfmueller, Goodheart-Willcox Company, Inc. ISBN 1-59070-347-2.

For Building Trade Safety (A0099):

- OSHA 1926 CFR 29

For All Electrical Theory Courses

- 2005 National Electric Code, National Fire Protection Association

For Electrical Theory I & II, Motor and Generator Theory & Power Distribution and Load Calculations (A0901, A0902, A0907 & A0917):

- Delmar's Standard Textbook of Electricity 3rd Edition by Stephen L. Herman. 2004 ISBN 1401825656

For Semiconductors for Electricians (A0908):

- Solid State Fundamentals for Electricians, Gary Rockis, American Technical Publishers, Item number 1634

For Logic Circuits-Programmable Controllers, Part I & II (A0914 & A0926):

- Delmar's Introduction to Programmable Logic Controllers, Gary Dunning, 2006 ISBN # 1401884261,
- Lab Manual ISBN # 140188427X

For Motor Controls (A0906):

- Electrical Motor Controls, Gary Rockis and Glen Mazur, American Technical Publishers Item number 1207
- Workbook, Item number 1208

For Basic Telecommunications & Telecom Cabling (A0924 & A0925):

- Newton's TELECOM Dictionary by Harry Newton, Miller Freeman Inc.
- BICSI Telecommunications Dictionary
- The Essential Guide to Telecommunications by Annabel Z. Dodd, Prentice Hall PTR, ISBN 0-13-064907-4
- 2005 National Electric Code, National Fire Protection Association

For Basic Alarm Technology & Fire, Access & CCTV Systems (A0927 & A0928):

- National Fire Alarm Code Handbook, National Fire Protection Association, Item number 72HB07

APPRENTICE PROGRAM
BOOK PUBLISHERS PHONE ORDER NUMBERS & WEBSITES

Book Publishers	Phone Numbers	Website
Goodheart-Willcox	1-800-323-0440	www.goodheartwillcox.com
Thomson Delmar Learning	1-800-347-7707	www.delmarlearning.com
National Fire Protection Association (NFPA)	1-800-344-3555	www.nfpa.org/index.asp
American Technical Publishers	1-800-323-3471	www.go2atp.com
International Code Council (ICC)	1-800-786-4452	www.iccsafe.org/e/category.html
CRC Press	1-800-272-7737	www.crcpress.com/default.asp
Amazon Bookstore	1-800-201-7575	www.amazon.com
BICSI	1-813-979-1991	www.bicsi.org/
Prentice Hall	1-800-282-0693	http://vig.prenhall.com/catalog/