

ELECTRICAL/ELECTRONIC ASSEMBLER

Estimated Materials Cost for Electronics Technology

Estimated Cost for required books/materials/certifications is \$635.

Estimated Tuition: \$1216 + estimated costs \$635 = \$1851

All items listed below are required to complete the Electrical/Electronics Assembler Certificate and are available at the Tennessee College of Applied Technology Hohenwald Bookstore.

TEXT/LAB MANUALS

Customer Service Study Guide-ETA	ISBN 891749080	\$35.00
Understanding Basic Electronics	ISBN 9780872590823	*supplied
DC Circuits-NIDA		\$41.00
AC Circuits-NIDA		\$47.00
Computer Concepts	ISBN 9781591363651	\$29.00
Windows 7/Vista/XP		

*classroom copy available for student use

CERTIFICATIONS

Customer Service (CSS)	ISBN 1891749080	\$75.00
DC CertTEC		\$75.00
ETA EM Study Guides		\$25.00
ETA EM1 DC Certification		\$25.00

TOOLS/EQUIPMENT

Crews Safety Glasses Frameless		\$2.00
(2)Pocket Pack Solder .031 DIA 5 oz.		\$8.00
(2)Desoldering Braid		\$12.00
Scientific Calculator		\$14.00
Cables and Connectors Kit		\$80.00
Digital Multimeter 15XP		\$82.00
Flash Drive		\$13.00
Lithium 3V Battery		\$ 2.00

ELECTRONIC PROJECT KITS

Circuit Construction –Nida		\$26.00
Soldering Program Component-Nida		\$38.00
The Tingler		\$15.00
Shaking Dice		\$16.00

Materials Total \$ 635.00

Note: Student responsible for miscellaneous materials (paper, pencils, tools, etc.)

ET revised 02/22/2017

ELECTRICAL/ELECTRONIC TESTER

Estimated Materials Cost for Electronics Technology

Assumes requirements for Electrical/Electronic Assembler have been met

Estimated Cost for required books/materials/certifications is \$300.

Estimated Tuition: \$1216 + \$300 = \$1516 Total Estimate

All items listed below are required to complete the Electrical/Electronic Tester Certificate and are available at the Tennessee College of Applied Technology Hohenwald Bookstore.

TEXT/LAB MANUALS

NIDA Unit III -Analog Circuits Text-lab/Workbook	\$45.00
NIDA Unit IV- Digital Circuits Text-lab/Workbook	\$47.00
CET Study Guide Book ISBN-1-891749-07-2	\$64.00
Electronics Pocket Handbook ISBN 9780137841905	*supplied

*classroom copy available for student use

ELECTRONIC PROJECT KITS

Project kit (student choice)	\$20.00-\$50.00
Project kit – Logic Probe, 214 Graymark	\$25.00

CERTIFICATIONS

AC Certification-CertTEC	\$75.00
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Total Materials Cost \$ 306.00

Note: Student responsible for miscellaneous materials (paper, pencils, tools, etc...) all cost are estimates, and subject to change.

ELECTRICAL/ELECTRONIC REPAIR TECHNICIAN

Estimated Materials Cost for Electronics Technology
Assumes requirements for Electrical/Electronic Tester have been met

Estimated Cost for required books/materials/certifications is \$300.
Estimated Tuition: \$1216 + \$300 = \$1516 Total Estimate

All items listed below are required to complete the Electrical/Electronic Repair Technician Diploma and are available at the Tennessee College of Applied Technology Hohenwald Bookstore.

<u>TEXT/LAB MANUALS</u>	None
 <u>CERTIFICATIONS</u>	
Analog Certification-CertTEC	\$75.00
Digital Certification-CertTEC	\$75.00
 CETa Certification-ETA	 \$60.00
 <u>ELECTRONIC PROJECT KITS</u>	
Project VI- VOM Analog Meter Kit	\$41.00
Project VII – Elenco AM/FM Radio Kit	\$46.00
 Total Materials Cost	 \$293.00

Note: Student responsible for miscellaneous materials (paper, pencils, tools, etc...) all cost are estimates, and subject to change.

ELECTRONICS ENGINEERING TECHNICIAN

Industrial Electronics Specialty Estimated Cost

Assumes requirements for Electrical/Electronic Repair Technician Diploma have been met

Estimated Cost for required books/materials/certifications is \$400.

Estimated Tuition (2 Trimesters): \$2432 + \$400 = \$2832 Total Estimate

All items listed below are required to complete the Electronics Engineering Technician Diploma with Industrial Electronics Specialty and are available at the TCAT Hohenwald Bookstore.

TEXT/LAB MANUALS

Pneumatics Fundamentals		\$25.00
Industrial Pneumatic Technology	ISBN 9781557690142	*supplied
Power Circuits and Transformers		\$86.00
AC/DC Motors and Generators		\$32.00
Programmable Logic Controller—Nida		\$24.00
Programmable Logic Controllers 4 th E	ISBN 9780073510880	*supplied
Control of Industrial Motors		\$30.00
AC Drive Control Systems		\$53.00
Robot Technology Fundamentals	ISBN 9780827382367	*supplied
Explorer II Hydraulics		\$53.00
Electrical Control of Pneumatic Systems		\$26.00
CM-184 PLC's TII		\$53.00
Industrial Electronics Textbook	ISBN9781401862923	*supplied

*classroom copy available for student use

Total Cost of Materials \$382.00

Note: Student responsible for miscellaneous materials (paper, pencils, tools, etc...) all cost are estimates and subject to change.

ELECTRONICS ENGINEERING TECHNICIAN

Communications Specialty Estimated Cost

Assumes requirements for Electrical/Electronic Repair Technician Diploma have been met

Estimated Cost for required books/materials/certifications is \$650

Estimated Tuition (2 Trimesters): \$2432 + \$650 = \$3082

TEXT/LAB MANUALS

Microprocessors 68000 --Nida		\$26.00
RF Communications --Nida		\$30.00
Data Networks—Nida		\$12.00
Telecommunications --Nida		\$32.00
Fiber Optics – Nida		\$24.00
Signal Processing --Nida		\$26.00
Technicians Guide to Fiber Optics 4 th Ed.	ISBN1401812708	*supplied
ARRL Handbook	ISBN9781625950208	*supplied
Communications for Technicians	ISBN9780131130494	*supplied
Modern Electronics Communications	ISBN9781292025476	*supplied
ETA Wireless Certification		\$75.00
Communications Final Project Kit		\$400.00

*classroom copy available for student use

Total Materials Cost \$625.00

Note: Student responsible for miscellaneous materials (paper, pencils, tools, etc...) all cost are estimates, and subject to change.

ELECTRONICS ENGINEERING TECHNICIAN

Bio-Medical Specialty Estimated Cost

Assumes requirements for Electrical/Electronic Repair Technician Diploma have been met

Estimated Cost for required books/materials/certifications is \$1100

Estimated Tuition (2 Trimesters): \$2432 + \$1100 = \$3532

TEXT/LAB MANUALS

Telecommunications --Nida		\$32.00
Signal Processing –Nida		\$26.00
Pneumatic Fundamentals		\$25.00
Electrical Control of Pneumatic Systems		\$26.00
Explorer II Hydraulics		\$53.00
Anatomy and Physiology for Health Professionals		
	ISBN 9780135060773	\$74.00
Anatomy and Physiology Workbook	ISBN 9780135060711	\$27.00
Health Occupations Prep. Modules 1-3		\$153.00
Bio-Medical Instrumentation		\$81.00
(provided)		
<i>Industrial Pneumatic Technology</i>	<i>ISBN 9781557690142</i>	<i>\$78.00</i>
<i>Bio-Medical Instrumentation Systems, 1st Edition</i>		<i>\$105.00</i>
<i>Introduction to Biomedical Equipment Technology, 4th Edition</i>		
	<i>ISBN 9780130104922</i>	<i>\$150.00</i>
<i>Biomedical Instrumentation Systems</i>	<i>ISBN 9781418018665</i>	<i>\$200.00</i>
<i>ETA Bio-Medical Certification</i>		<i>\$75.00</i>

Total Materials Cost \$1105.00

Note: Student responsible for miscellaneous materials (paper, pencils, etc...) all cost are estimates, and subject to change.

ELECTRONICS ENGINEERING TECHNICIAN

Green Specialty Estimated Cost

Assumes requirements for Electrical/Electronic Repair Technician Diploma have been met

Estimated Cost for required books/materials/certifications is \$375

Estimated Tuition (2 Trimesters): \$2432 + \$375 = \$3807 Total estimate

TEXT/LAB MANUALS

978-1-61960-854-2	Modern Commercial Wiring Textbook	Goodheart-Wilcox	\$69.00
978-1-61960-857-3	Modern Commercial Wiring Workbook	Goodheart-Wilcox	\$24.00

Power Circuits and Transformers	\$86.00
AC/DC Motors and Generators	\$32.00
Generating Green Electrons (Marcraft)	<i>provided</i>
Photovoltaics Design and Installation Manual	\$45.00
Understand NEC requirements for Solar PV Systems	\$70.00

Total Materials Cost: \$325

Note: Student responsible for miscellaneous materials (paper, pencils, etc...) all cost are estimates, and subject to change.

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