

## **Industrial Electricity**

The Industrial Electricity is a **NCCER** program that utilizes classroom instruction and lecture, individualized modules, and hands-on experience at job sites to provide the student with the knowledge to be a residential electrician, pre-journeyman, journeyman, electrical maintenance worker, or electrical technician. Graduates of the program will have a strong foundation in the basic principles of electricity, including motor generator principles; meters; testing equipment and instruments; blueprint reading and math; residential wiring; National Electric Code; industrial wiring/distribution; related electronics; and shop management and records.

Program/Location	Length	Days	Time
Day Program/Knoxville Campus	12 Months	Monday-Friday	8:00 am—2:30 pm
Night Program/Knoxville Campus	12 Months	Monday-Thursday	3:30 pm—10:30 pm

#### **Diplomas & Required Clock Hours**

Certified Electrician Apprentice Level 3—1,296

#### **Certificate & Required Clock Hours**

Certified Electrician Apprentice Level 2—864 Certified Electrician Apprentice Level 1—432

#### **Typical Job Opportunities**

Electrical Companies Manufacturers Hospitals

**Total Placement Rate 2015= 92%** 

#### **HOW TO APPLY**

All Documents Must be Presented Together to Apply

- 1. FAFSA—Provide Proof of Completed
  FAFSA School Code = 004025 at
  www.fafsa.gov
- 2. Immunizations—Provide Proof of Required Immunizations (Form is Attached)
- 3. Complete TCAT Application for Enrollment (Form is Attached)
- 4. Provide proof of official transcripts of education from high school, high-school equivalency or other colleges and universities.



#### **Industrial Electricity**

Book, Tool, and Supply List

1st Trimester					
tion			Cost		Total
Tuition*		\$	1,139.00		
Technology Access Fee*		\$	67.00		
Student Activity Fee*		\$	10.00		
TOTAL					\$1,216
oks	ICDN		Cost	Doguirad	_
National Electrical Code Handbook, 2nd Edition	ISBN 9781455905447	ċ	Cost 180.00	Required	
Electrical Level 1, 8th edition	9780133829594	\$	90.00	X X	
EZ Tabs for the 2014 National Electrical Code	9781285200361	\$	18.00	X	
Residential Construction Academy: House Wiring, 3rd Edition	978128585200301	\$	156.00	x	
Conduit Bending & Fabrication (W/CD & Quick Reference)	9780826912671	\$	94.00	x	
TOTAL	3700020312071	7	34.00	^	\$538
pplies	Needed By		Cost	Required	_
Denim or Khaki Pants	First day of class	\$	35.00	x	
3 Dark Navy Short Sleeve Work Shirts	First day of class	\$	75.00	x	
Composite Toe Work Boots	First day of class	\$	140.00	X	
Hard Hat - Must have before able to do any live work projects	First day of class	\$	12.00	X	
Safety Glasses - Must have before able to do any live work projects	First day of class	\$	10.00	x	
Headphones	First day of class	\$	5.00	X	
Non programmable Calculator (that converts decimal to fraction)	First day of class	\$	20.00	X	
TOTAL	First day of class	Ş	20.00		\$297
					<b>Ψ2</b> 37
ols	Needed By		Cost	Required	
ecial Student Pricing Available Through Klein Tools \$460, from	m Graybar in Knox	ville	e, 1st Trim	ester kit #N	12039749F
PowerLine 18-Pocket Electrician's Tool Pouch	First week of class	\$	39.00	х	
PowerLine Web Works Belt	First week of class	\$	11.00	х	
Tape Measure 25" (7.62 m) Magnetic Double Hook	First week of class	\$	15.00	х	
3 Blade Pocket Knife - Carbon Steel Sheepfoot, Spearpoint, & Scre	First week of class	\$	23.00	х	
Heavy-Duty Multi-Bit Screwdriver/Nut Driver	First week of class	\$	12.00	х	
Conduit-Fitting and Reaming Screwdriver	First week of class	\$	22.00	х	
Magnetic Screwdriver with 32 Piece Tamperproof Bit Set	First week of class	\$	20.00	х	
Klein-Kurve® Wire Stripper/Cutter - Solid & Stranded Wire	First week of class	\$	14.00	х	
8" (203 mm) High-Leverage Diagonal-Cutting Pliers - Angled Head	First week of class	\$	19.00	х	
NM Cable Ripper - 8-14 AWG	First week of class	\$	3.00	х	
		\$	25.00	х	
9" (229 mm) High-Leverage Side-Cutting Pliers - Fish Tape Pulling	First week of class			x	
	First week of class First week of class	\$	50.00	^	
600A AC Clamp Meter with Temperature			7.00	x	
600A AC Clamp Meter with Temperature #1 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank	First week of class				
600A AC Clamp Meter with Temperature #1 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank #2 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank	First week of class First week of class First week of class	\$	7.00	х	
600A AC Clamp Meter with Temperature #1 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank #2 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank 8" (203 mm) Heavy-Duty Long-Nose Pliers - Side-Cutting	First week of class First week of class First week of class	\$	7.00 7.00	x x	
600A AC Clamp Meter with Temperature #1 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank #2 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank 8" (203 mm) Heavy-Duty Long-Nose Pliers - Side-Cutting	First week of class First week of class First week of class First week of class	\$ \$ \$ \$	7.00 7.00 20.00	x x x	
600A AC Clamp Meter with Temperature #1 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank #2 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank 8" (203 mm) Heavy-Duty Long-Nose Pliers - Side-Cutting Straight-Claw Hammer - Heavy Duty	First week of class First week of class First week of class First week of class First week of class	\$ \$ \$ \$	7.00 7.00 20.00 22.00	x x x x	
600A AC Clamp Meter with Temperature #1 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank #2 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank 8" (203 mm) Heavy-Duty Long-Nose Pliers - Side-Cutting Straight-Claw Hammer - Heavy Duty 10" (254 mm) Pump Pliers 6-in-1 Tapping Tool	First week of class First week of class	\$ \$ \$ \$ \$	7.00 7.00 20.00 22.00 16.00	x x x x	
600A AC Clamp Meter with Temperature #1 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank #2 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank 8" (203 mm) Heavy-Duty Long-Nose Pliers - Side-Cutting Straight-Claw Hammer - Heavy Duty 10" (254 mm) Pump Pliers	First week of class First week of class	\$ \$ \$ \$ \$	7.00 7.00 20.00 22.00 16.00 18.00	x x x x x	
600A AC Clamp Meter with Temperature #1 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank #2 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank 8" (203 mm) Heavy-Duty Long-Nose Pliers - Side-Cutting Straight-Claw Hammer - Heavy Duty 10" (254 mm) Pump Pliers 6-in-1 Tapping Tool 8" (203 mm) Adjustable Wrench Extra-Capacity	First week of class First week of class	\$ \$ \$ \$ \$ \$ \$	7.00 7.00 20.00 22.00 16.00 18.00 19.00	x x x x x x	
600A AC Clamp Meter with Temperature #1 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank #2 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank 8" (203 mm) Heavy-Duty Long-Nose Pliers - Side-Cutting Straight-Claw Hammer - Heavy Duty 10" (254 mm) Pump Pliers 6-in-1 Tapping Tool 8" (203 mm) Adjustable Wrench Extra-Capacity 7-Piece Cushion-Grip Screwdriver Set	First week of class First week of class	\$ \$ \$ \$ \$ \$ \$	7.00 7.00 20.00 22.00 16.00 18.00 19.00 41.00	x x x x x x x x	
600A AC Clamp Meter with Temperature #1 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank #2 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank 8" (203 mm) Heavy-Duty Long-Nose Pliers - Side-Cutting Straight-Claw Hammer - Heavy Duty 10" (254 mm) Pump Pliers 6-in-1 Tapping Tool 8" (203 mm) Adjustable Wrench Extra-Capacity 7-Piece Cushion-Grip Screwdriver Set Rare Earth Magnet Torpedo Level	First week of class First week of class	\$ \$ \$ \$ \$ \$ \$	7.00 7.00 20.00 22.00 16.00 18.00 19.00 41.00	x x x x x x x x x x x x x x x x x x x	
600A AC Clamp Meter with Temperature #1 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank #2 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank 8" (203 mm) Heavy-Duty Long-Nose Pliers - Side-Cutting Straight-Claw Hammer - Heavy Duty 10" (254 mm) Pump Pliers 6-in-1 Tapping Tool 8" (203 mm) Adjustable Wrench Extra-Capacity 7-Piece Cushion-Grip Screwdriver Set Rare Earth Magnet Torpedo Level GFCI Receptacle Tester	First week of class First week of class	\$ \$ \$ \$ \$ \$ \$	7.00 7.00 20.00 22.00 16.00 18.00 19.00 41.00 18.00 7.00	x x x x x x x x x x x x x x x x x x x	\$460
600A AC Clamp Meter with Temperature #1 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank #2 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank 8" (203 mm) Heavy-Duty Long-Nose Pliers - Side-Cutting Straight-Claw Hammer - Heavy Duty 10" (254 mm) Pump Pliers 6-in-1 Tapping Tool 8" (203 mm) Adjustable Wrench Extra-Capacity 7-Piece Cushion-Grip Screwdriver Set Rare Earth Magnet Torpedo Level GFCI Receptacle Tester High-Tension Hacksaw TOTAL	First week of class First week of class	\$ \$ \$ \$ \$ \$ \$	7.00 7.00 20.00 22.00 16.00 18.00 19.00 41.00 7.00	x x x x x x x x x x x x x x x x x x x	\$460
600A AC Clamp Meter with Temperature #1 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank #2 Square-Recess Tip Screwdriver 8" (203 mm) Round-Shank 8" (203 mm) Heavy-Duty Long-Nose Pliers - Side-Cutting Straight-Claw Hammer - Heavy Duty 10" (254 mm) Pump Pliers 6-in-1 Tapping Tool 8" (203 mm) Adjustable Wrench Extra-Capacity 7-Piece Cushion-Grip Screwdriver Set Rare Earth Magnet Torpedo Level GFCI Receptacle Tester High-Tension Hacksaw	First week of class First week of class	\$ \$ \$ \$ \$ \$ \$	7.00 7.00 20.00 22.00 16.00 18.00 19.00 41.00 18.00 7.00	x x x x x x x x x x x x x x x x x x x	\$460

2nd Talan askan					
2nd Trimester					
Tuition			Cost		Total
Tuition*			1,139.00		
Technology Access Fee*		\$	67.00		
Student Activity Fee*		\$	10.00		
TOTAL					\$1,216.00
Books	ISBN		Cost	Required	
Electrical Trainee Guide Level 2, 8th edition	9780133830651	\$	130.00	х	
Electrical Systems Based on the 2014 NEC with CD	9780826916419	\$	96.00	х	
TOTAL					\$226.00
Tools	Needed By		Cost	Required	
Special Student Pricing Available Through Klein Tools \$731, fro.		ville			M2039750KIT
Tradesman Pro Organizer Hacksaw Electrician's Bag	First week of class	\$	67.00	х	
Assembled Aluminum Conduit Bender with #51427 Handle - 1/2"	First week of class	\$	25.00	х	
Assembled Aluminum Bender with #51427 Handle - 3/4" (19 mm)	First week of class	\$	32.00	х	
16" (406 mm) Pump Pliers	First week of class	\$	38.00	х	
Knockout Punch Set with Wrench	First week of class	\$	242.00	х	
10 pc 6" (152 mm)SAE Journeyman T-Handle Set with Stand	First week of class	\$	34.00	х	
8 pc 6" (152 mm) Metric Journeyman T-Handle Set with Stand	First week of class		27.00	х	
6" (152 mm) Adjustable Wrench Extra-Capacity	First week of class		18.00	x	
8" (203 mm) Adjustable Wrench Extra-Capacity	First week of class		20.00	X	
10" Adjustable Wrench Extra Capacity	First week of class	-	24.00	X	
8 pc Electrician's Hole Saw Kit	First week of class		52.00	X	
Electrician's Mulitmeter	First week of class	\$	60.00		
				Х	
Digital Circuit Breaker Finder	First week of class		32.00	Х	
Circuit Breaker Finder Accessory Kit	First week of class	\$	11.00	Х	
1/8" (3 mm) Wide Steel Fish Tape - 125' (38 m)	First week of class	\$	38.00	Х	
TOTAL					\$731.00
3rd Trimester					
Tuition			Cost		Total
Tuition*		Ś	1,139.00		, o ca.
Technology Access Fee*		\$	67.00		
Student Activity Fee*		\$	10.00		
TOTAL		7			\$1,216.00
Pooks	ICDN		Cont	Devision	
Books	ISBN		Cost	Required	
Electrical Level 3 Trainee Guide	9780133830828	\$	130.00	х	
Electrical Motor Controls etc. (w/cd) 5th Edition	9780826912268	\$	136.00	Х	
Electrical Motor Controls Workbook, 5th Edition	9780826912275	\$	34.00	Х	
TOTAL					\$300.00
Miscelleanous Cost			Cost	Required	
Graduation Supplies		\$	40.00	х	
TOTAL					\$40.00
TOTAL PROGRAM COST					\$6,265.00

## Measles, Mumps, and Rubella (MMR)

**TCAT - Knoxville Certification of Immunization** 

Student's name:	Program of Enrollment:
PART I (TO BE COMPLETED BY STU	DENT)
Proof of MMR immunization is not re	•
□ I attended a Tennessee public or □ I was born prior to January 1, 195 □ I am active duty or former militar	private high school in 1999 or after. (transcript attached) private high school in 2001 or after. (transcript attached) 57. (copy of photo ID or birth certificate attached) ry personnel. (copy of DD214 or active military ID attached)
IF THE	ABOVE IS CHECKED, PLEASE SIGN BELOW.
PART II (TO BE COMPLETED BY STU Proof of MMR immunization is not re	•
<ul> <li>I refuse immunization because o perjury. Please attach statement</li> </ul>	of religious doctrine. (Reason affirmed under the penalties of t.)
IF THE .	ABOVE IS CHECKED, PLEASE SIGN BELOW.
PART III—MMR (TO BE COMPLETED BY PH Please circle the number that applies to th	
	les vaccination since the age of 12 months: Month/year
2. Vaccination is medically contraindicated	because of pregnancy, allergy to vaccine, etc. (Please list reasons.)
<b>3.</b> Patient had disease, as confirmed by me Month/year	
<b>4.</b> Patient is immune to disease, as confirm Comment	
,	ATTEST (Must be signed by an M.D. or D.O.)
Name of physician (Please print)	
Office telephone	
	Date
Student's signature	Date

Revised: September 4, 2014

# TCAT - Knoxville Certification of Immunization Varicella (Chicken Pox)

Student's name:	Program of Enrollment:
PART I (TO BE COMPLETED BY STUDENT)	
Proof of varicella (chicken pox) immunization is not required f	or the following reason:
<ul> <li>I attended a Tennessee public high school between 1999</li> <li>second varicella vaccine dose from your physician office</li> </ul>	
□ I was born prior to January 1, 1980. (copy of photo ID or b	•
☐ I am active duty or former military personnel. (copy of DI	
IF THE ABOVE IS CHECKED, PLEASE SIG	GN BELOW.
PART II (TO BE COMPLETED BY STUDENT)	
Proof of varicella (chicken pox) immunization is not required f	or the following reason:
□ I refuse immunization because of religious doctrine. (Reas	son affirmed under the populties of
perjury. Please attach statement.)	son annined under the penalties of
IF THE ABOVE IS CHECKED, PLEASE SIG	GN BELOW.
PART III—VARICELLA (TO BE COMPLETED BY PHYSICIAN) Please circle the number that applies to this patient:	
riedse circle the number that applies to this patient.	
1. Patient has received two doses of varicella (chicken pox) vaccinati	on since the age of 12 months:
Month/year Month/	year
2. Vaccination is medically contraindicated because of pregnancy, al	lergy to vaccine, etc. (Please list reasons.)
<b>3.</b> Patient had disease, as confirmed by medical record:	
Month/year	
4. Detient is immune to disease as confirmed by laboratory.	
<b>4.</b> Patient is immune to disease, as confirmed by laboratory.  Comment	
ATTEST	
(Must be signed by an M.D. o	
Name of physician (Please print)	
Office telephone	
Physician's signature	Date
Student's signature	Date

Revised: September 4, 2014



#### **ENROLLMENT APPLICATION**

Applicants must complete every item on this form, sign and date and return it to the College.

	Full Legal Name						
	Last	First		Middle			
	Address		City				
	County	State Zip	Email	Address			
	- '-	/		Gender: M F			
u o	Social Security	Date of Birth	Age				
Personal Information	Marital Status:MarriedSingle Preferred Phone Number:						
nal In	Race: Do you consider yourself Select one or more of the follow	·		No			
ırso		ativeNative Hawaiia					
Pe	Asian	White					
	Black or African American						
	Citizenship status:US Citize	en or US National US Du	al Citizen US Perm	nanent Resident or RefugeeOther			
	US Forces Status:Currently ServingPreviously ServingCurrent DependentN/A						
	ALL MALES 18 OR OLDER <b>MUST</b> be registered with Selective Service. Have you registered for Selective Service? Not required to registeredRegisteredRequired to register, but not registered						
>	Education (insert highest level	of education completed):					
Prior Education/ Training	Name of last high school attend	ded:					
r Educati Training	High school graduation date (m	ım/yyyy): G	ED Diploma Date				
Prior	Are you seeking credit for pr	ior education, training or w	ork experience?	_YesNo			
٤	Please review the campuses we Office Technology)	ebsite and provide the progran	n name choice for care	er training (Example: Administration			
Program	When will you be available to e		pringSummer				
		<del></del>					

state civil rights law with respect to all employment, programs and activities sponsored by the TCATs.



### **Application for Enrollment**

The information is for Office use only:
ADMISSIONS REQUIREMENTS
FAFSA I will not be filing financial aid. I will be paying for my education. Students Initials:
Immunizations Education Transcripts
SPECIAL ADMISSIONS REQUIREMENTS
Cosmetology:  Photo Proof of Age Copy of SS Card RT/LT Handed Manicuring Only
Dental Assisting, Medical Assisting, and Surgical Technology  Compass required scores: Math 30 and Reading 70
COMPASS or ACT – Scores: Math Reading (Date: )  CPR Documentation (BLS for Healhcare Providers)
Practical Nursing:
Compass required scores: Math 50 and Reading 80  Notarized Declaration of Citizenship Copy of ID Used to Declare Citizenship
CPR Documentation (BLS for Healhcare Providers)
COMPASS or ACT – Scores: Math Reading (Date: )
Truck Driving:  MVR DOT Physical Valid Driver's License U.S. Citizenship / Residency
Staff Signature:
Date:

Revised: 6/29/2016