

# ONE YEAR CERTIFICATE

## Electrical Apprentices Program

**I = introduce R= Reinforce M= Mastery**

### General Core Requirements

BT 146 Occupational Math  
 LS 253 Lakota History and Culture

### Program Requirements

DP 107 Fundamentals of Computers  
 OE 121 Professional Development  
 BT 161 Introduction To Construction Trades  
 BT 182 Fundamentals of Electricity  
 BT 183 Residential Electrical Construction I  
 BT 192 Residential Electrical Construction II  
 BT 195 Field Experience/Electrical

Course	General Core Requirements	Program Requirements	Performance Level
	Students will gain the knowledge and apply industry approved safety practices. Students will apply math concepts for solving problems related to the electrical fields, Participants will demonstrate their understanding of current, voltage and circuits; the different circuits used and wire distribution.	Students will demonstrate their ability to utilize the electrical code book for SD. Will be able to demonstrate their ability to work with different conductors, Resistors, relays and controls, splicing and terminating for low voltage. Students will gain practical experience in the different wiring methods; the installation of electrical equipment; the installation of lighting equipment and Class I and II circuits.	Students will demonstrate their ability to apply for employment through use of applications, resume and interview skills. Students will develop strong work ethics and conduct themselves in a professional manner. Students will demonstrate sound management skill-sets inclusive of written and verbal communications.
DP 107			I
OE 121			M/A
BT 161	I	I	
BT 182	R	R	
BT 183	I	I	
BT 192	M	M	
BT 195	M/A	M/A	M/A