

# ELECTRICIAN TRAINEE

The Electrician Trainee Program reflects a collaboration between Southwestern College and the International Brotherhood of Electrical Workers (IBEW) to assure quality training to individuals interested in pursuing careers in the electrical industry. The 750-hour noncredit program includes all the requirements a student will need to enter a fast-tracked apprenticeship program.

Code	Title	Units
NC 301	ELECTRICIAN TRAINEE: INTRODUCTION TO THE ELECTRICAL TRADE, INDUSTRY AND CONSTRUCTION SAFETY I	75
NC 302	ELECTRICIAN TRAINEE: INTRODUCTION TO THE ELECTRICAL TRADE, INDUSTRY AND CONSTRUCTION SAFETY II	75
NC 303	ELECTRICIAN TRAINEE: ADVANCED DC CIRCUIT CONCEPTS; INTRODUCTION TO 3Ø CIRCUITS AND NATIONAL ELECTRIC CODE APPLICATION	75
NC 304	ELECTRICIAN TRAINEE: AC CIRCUIT CONCEPT APPLIED ELECTRONICS, AND NATIONAL ELECTRIC CODE APPLICATION	75
NC 305	ELECTRICIAN TRAINEE: DIGITAL LOGIC CIRCUITS, CONDUCTOR CHARACTERISTICS AND APPLICATION, AND NATIONAL ELECTRIC CODE	75
NC 306	ELECTRICIAN TRAINEE: OVERCURRENT PROTECTION, LIGHTING SYSTEMS, BASIC BLUEPRINTS AND SPECIFICATIONS, AND NATIONAL ELECTRIC CODE	75
NC 307	ELECTRICIAN TRAINEE: GROUNDING SYSTEMS, ADVANCED BLUEPRINTS AND SPECIFICATIONS, MOTOR DESIGN AND INSTALLATION, AND THE NATIONAL ELECTRIC CODE	75
NC 308	ELECTRICIAN TRAINEE: MOTOR CONTROL PRINCIPLES, GENERATORS AND POWER SUPPLIES, AND NATIONAL ELECTRIC CODE	75
NC 309	ELECTRICIAN TRAINEE: TRANSFORMER THEORY , LEADERSHIP, MANAGEMENT AND TEST EQUIPMENT	75
NC 310	ELECTRICIAN TRAINEE: SPECIALTY SYSTEMS	75
<b>Total Hours</b>		<b>750</b>