

# ELECTRICAL TECHNOLOGY - ELECTRICIAN DIPLOMA - 74 CREDITS

## Program Plan — "Primary"

Locations: Wadena

### 1st Fall Term (14 credits)

---

#### Courses

Course	Crds
ELEC1100 - Electrical Safety .....	1
ELEC1102 - Introduction to Electric Circuit Theory .....	4
ELEC1107 - Introduction to Residential Wiring .....	3
ELEC1122 - Introduction to Electrical Materials .....	1
ELEC1124 - Introduction to Electrical Blueprint Reading .....	2
MATH1000 - Technical Mathematics .....	3

### 1st Spring Term (17 credits)

---

#### Courses

Course	Crds
ELEC1104 - Introduction to National Electrical Code .....	2
ELEC1108 - Electrical Circuit Theory .....	4
ELEC1110 - Electric Motors and Generators .....	4
ELEC1112 - Residential Wiring .....	3
ELEC1130 - Electrical Blueprints .....	3
PDEV1102 - Contemporary Career Search .....	1

### 1st Summer Term (5 credits)

---

#### Courses

Course	Crds
ELEC1116 - Conduit/Tool Applications .....	2
ELEC1118 - Electrical Services .....	3

### 2nd Fall Term (20 credits)

---

#### Courses

Course	Crds
ELEC1114 - National Electrical Code .....	2
ELEC2202 - Heating/Cooling Controls .....	3
ELEC2205 - Introduction to Commercial Wiring .....	3
ELEC2206 - Introduction to Motor Control Applications .....	3
ELEC2208 - Programmable Logic Controllers .....	2
ELEC2211 - Electronic Motor Control .....	3
ELEC2225 - Transformers .....	2
ELEC2230 - Electrical Building Information Modeling .....	2

2nd Spring Term (18 credits)

---

**Courses**

<b>Course</b>	<b>Crds</b>
ELEC2212 - Commercial Wiring .....	3
ELEC2214 - Industrial Wiring .....	2
ELEC2216 - Motor Control Application .....	3
ELEC2238 - Low Voltage Wiring .....	2
ELEC2248 - Code Applications .....	2
HLTH1122 - CPR-First Aid .....	1

**5 credits in one or more of the following:**

Course Subject: ELEC

---

