

Mid-South Independent Electrical Contractors Voice, Data and Video Course Outline

1st year – 1st semester

Introduction to Electricity and Electronics		
Lesson	Lesson Topic	Contact Hours
101	Fundamentals of Electricity – Current – Voltage – Resistance	8
102	Ohm's Law, Kirchhoff's Law; Electrical Measurements and Power	8
103	DC Circuits – Series, Parallel, and Series-Parallel Circuits	8
104	Magnetism, Inductance, and Capacitance	8
105	Alternating Current, AC Measurements, Transformers	8
106	Semiconductors, PN Junctions, Zener Diodes, and Bipolar Transistors	8
107	Power Supplies and Amplifiers	8
108	Digital Electronic Circuits	8
109	Review	8
110	Test	4
<i>Total Semester Contact Hours</i>		76