

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

2nd year – 1st semester

Access Control Systems		
Lesson	Lesson Topic	Contact Hours
201	Introduction to Entry and Access Control Systems	4
202	Controllers and Power Supplies	4
203	Entry/Exit Readers, Keypads and Other Control Devices	4
204	Locking and Other Releasing Device Accessories	4
205	Entry Control Barriers / Installation Guidelines	4
206	Review	4
207	Test	4
Intrusion Detection and CCTV Systems		
Lesson	Lesson Topic	Contact Hours
208	Intrusion / CCTV Systems Overview	4
209	Types of Intrusion Sensors and Basic CCTV System Components	4
210	Control Panels and Headend Equipment	4
211	System Design and Proper Camera Application, Proper Lighting and Illumination	4
212	System and Equipment Installation Guidelines	4
213	Proper Inspection, Testing and Maintenance for Access Control and CCTV Systems	4
214	Review	4
215	Test	4

Broadband Systems

Lesson	Lesson Topic	Contact Hours
216	Introduction and Basics of CATV Systems, Architecture of Cable Systems and Cabling	4
217	Satellite Technology, Head End Components and Signal Processing	4
218	Distribution System Components, Topologies, and System Gains and Losses, Test Equipment and Signal Alignment	4
219	Review and Test	4
<i>Total Semester Contact Hours</i>		76