

NASSAU BOCES - ADULT EVENING PROGRAM  
Joseph M. Barry Career & Technical Education Center  
1196 Prospect Ave.  
Westbury, NY 11590

COURSE OUTLINE

Course Name: Electronic Security Systems  
Weeks: 10  
Sessions: 20  
Hours: 60  
Days/Time: Tue/Thu, 7-10 pm  
Instructor: Michael Ayers  
Required Textbook: tba  
Prerequisites: None  
Adult evening Office: (516) 622-6950

Course Overview:

This course will cover installing and maintaining Electronic Security systems such as burglar alarm systems and closed circuit security camera systems for residential and commercial structures. Included in this course is electrical theory, test equipment, safety, low voltage cabling, site surveys and planning. Hand tools and test equipment will be covered and used throughout the course. Required additional cost: Textbook. Students may be asked to provide certain hand tools (list provided first night of class).

Certificate: Students who successfully complete this course will earn the Nassau BOCES Electronic Security Systems Certificate of completion for a total of 60 hours.

Course Topics

Session 1: Orientation and Shop Safety  
Session 2: Hand Tools and Test Equipment  
Session 3: Burglar Alarm Overview  
Session 4: Mechanical Sensors  
Session 5: Electronic Sensors  
Session 6: Control Panels Part 1  
Session 7: Control Panels Part 2  
Session 8: Communications  
Session 9: Service and Repair  
Session 10: Low Voltage Cabling  
Session 11: False Alarm Prevention  
Session 12: Review & Midterm  
Session 13: Electrical Theory Part 1  
Session 14: Electrical Theory Part 2  
Session 15: CCTV Overview  
Session 16: Cameras and Monitors  
Session 17: Recorders  
Session 18: Fire Alarm Overview  
Session 19: Review  
Session 20: Exam