

**Curriculum Outline
Washington Burglar & Fire Alarm Association
Apprenticeship Program**

First Year

**Job-site Safety
Low-Voltage cabling
Pathways and spaces
Wire & Cable Terminations
Introduction to Codes & Standards
Power Quality & Grounding
DC Circuit Theory
AC Circuits
Semiconductors & Integrated Circuits
System Commissioning & User Training**

Total Hours 145

Second Year

**Fire Alarm Systems
Intrusion Detection Systems
Wireless Communication
Site Survey, Project Planning & Documentation
Maintenance & Repair
Overview of Underwriters Laboratories
Troubleshooting & System Checks
Codes & Standards including NEC and WAC
OHMS Law & Electrical calculations
CCTV
Overview of systems Integration, Access Control and Nurse Call & Signaling
Systems**

Total Hours 145