

Installer/Technician Upgrade Classes

NorCal S&C JATC has the following classes scheduled for Installer/Technicians during the Summer of 2010:

- **Security/Access Control:** This course is designed for members who want to learn about Security/Access Systems and for those who need to refresh their knowledge and skills. This course includes the study of security systems and the components involved. A hands-on laboratory will allow the student to build a security/access system to apply what they learned. This course also would apply 12 hours toward the 32 hours needed for VDV re-certification.
- **VDV Exam Prep:** This course is designed to prepare the student for taking the California State VDV Exam.
- **Fire/Life Safety Prep:** This course is designed to prepare the student for taking the California State Fire/Life Safety Exam.
- **CCTV:** This course includes the advanced study of closed circuit television systems. Students will learn about video camera types, lenses, optics, and lighting characteristics; study signal transmission methods. Students will learn about Plasma, LCD and OLED displays, construct a small scale CCTV system that includes different cameras and switchers which tie into a Pelco DVR. This course also would apply 15 hours toward the 32 hours needed for VDV re-certification.
- **OSHA 30:** Become OSHA-30 certified. This course contains many of the same topics as the OSHA 10 course but at a more in-depth level. In addition this course also includes: material handling and storage; cranes, derricks, hoists, elevators and conveyors; excavations; fire protection; health hazards in construction. This course also would apply 30 hours toward the 32 hours needed for VDV and Fire/Life Safety re-certification.
- **BICSI Copper 2:** This 5-day course sets the foundation of a copper-based structured cabling system installation. The course begins with an overview of copper transmission principles, professionalism, life safety and general industry best practices, as related to copper. A significant amount of course time will then be spent on BICSI best practices for the installation, termination, testing and retrofitting of copper cable. Additional topics covered will include BICSI best practices for pathways and spaces; grounding, bonding and protection; and fire stopping. The student will receive BICSI Copper II certification upon passing the hands on and written exams (must have at least one year of current and verifiable ITS industry installation experience).
- **BICSI Fiber 2:** This 5-day course sets the groundwork for optical fiber-based structured cabling system installation. The course will open with an overview of fiber transmission principles, professionalism, life safety and industry best practices, as related to fiber. A significant amount of course time will then be spent on installation, splicing, termination, testing and retrofitting of optical fiber cable. Additional topics covered will include pathways and spaces, fire stopping and an introduction to field coordination. The student will receive BICSI Fiber II certification upon passing the hands on and written exams (must have at least two years of current and verifiable ITS industry installation experience).

Contents:

Page 2 – Information/Locations

Page 3 – Course Schedule

Information

Registration Fees:

No registration fee is required.

Books:

Textbooks will be loaned out for the duration of the course. If the student feels that they would like to purchase the textbooks for reference material, they may request a book order form which includes the prices and information on how to order. The student will be monetarily responsible for the safe keeping of the loaner textbooks.

How to Register:

1. Call NorCal S&C JATC at (408) 453-3101 ex. 1823
2. Give the class Name and Date
3. NorCal will enroll you in the course (be prepared to give the last four digits of your social security number for enrollment)

Cancellation:

If you need to cancel, please notify NorCal S&C JATC as soon as possible so we can make room for another individual.

Course- The course may be cancelled if the minimum number of students is not met five (5) business days prior to the start of the course. Students registered for a course that needs to be cancelled, will be notified in advance by phone.

Completion:

All courses require that the student attend the entire course. Students who miss hours can still attend but will not be considered as successfully completing. Students who successfully complete will receive their certifications around 3 to 6 weeks after the end of the course.

BICSI Courses:

Applications can be downloaded from www.norcal-jatc.com or from www.bicsi.org
Applications must be submitted to NORCAL by 7/8/10 for the Copper 2 course and by 8/12/10 for the Fiber 2 course. Applications can be faxed to (408) 453-5822.

Locations

Alameda County Electrical Training Center
3033 Alvarado Street (Local #595)
San Leandro, CA 94577

San Francisco Electrical Training Facility
4056 Mission Street (Local #6)
San Francisco, CA 94112

Fresno Area Electrical Training Center
5420 East Hedges Avenue (Local #100)
Fresno, CA 93727

Santa Clara County JATC (Local #332)
908 Bern Court
San Jose, CA 95112

Sacramento Area Electrical Training Center
2836 El Centro Road (Local #340)
Sacramento, CA 95833

Santa Rosa Electrical Training Center
1700 Corby Avenue, Suite F (Local #551)
Santa Rosa, CA 95407

San Mateo JATC (Local #617)
625 Industrial Road
San Carlos, CA 94070

Tri-County Electrical JATC (Local #234)
10300 Merritt St.
Castroville, CA 95012

Security/Access Control	Date 1	Date 2	Date 3	Date 4	Times
332	14-Jun	16-Jun	21-Jun	23-Jun	5pm-8pm
6	22-Jun	24-Jun	29-Jun	1-Jul	5pm-8pm

12 hours of instruction
 Max Students: 20
 Min. Students: 8

VDV Exam Prep	Date 1	Date 2	Times
332	15-Jun	17-Jun	5pm-8pm
340	15-Jun	17-Jun	5pm-8pm
617	21-Jun	23-Jun	5pm-8pm

6 hours of instruction
 Max Students: 20
 Min. Students: 8

OSHA 30	Date 1	Date 2	Date 3	Date 4	Times
595	19-Jun	26-Jun	10-Jul	17-Jul	7am 3:30pm

30 hours of instruction
 Max Students: 20
 Min. Students: 8

CCTV	Date 1	Date 2	Date 3	Date 4	Date 5	Times
340	14-Jun	16-Jun	21-Jun	23-Jun	28-Jun	5pm-8pm
332	22-Jun	24-Jun	29-Jun	1-Jul	6-Jul	5pm-8pm

15 hours of instruction
 Max Students: 20
 Min. Students: 8

Fire/Life Safety Prep	Date 1	Date 2	Date 3	Times
595	12-Jul	14-Jul	19-Jul	5pm-8pm
617	13-Jul	15-Jul	20-Jul	5pm-8pm

9 hours of instruction
 Max Students: 20
 Min. Students: 8

BICSI Copper 2	Date 1	Date 2	Date 3	Date 4	Date 5	Times	Exam Date	Times
595	19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	7am-3:30pm	28-Jul	5pm-8pm

40 hours of instruction (See BICSI application information)
 Max Students: 16
 Min. Students: 8

BICSI Fiber 2	Date 1	Date 2	Date 3	Date 4	Date 5	Times	Exam Date	Times
595	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	7am-3:30pm	1-Sep	5pm-8pm

40 hours of instruction (See BICSI application information)
 Max Students: 16
 Min. Students: 8

Ken Miller
 Regional Training Director

6/1/10