

# Elevator Installer and Repairer

- The elevator union (Local 18) is broken down into several segments including construction, modernization, repair and service. Many new apprentices (those who go the union/more typical route) start in construction where the LA City Structural Steel Welding License (which is one of the goals/certifications our welding program offers) is very highly valued. Sometimes this one license is enough to ensure employment after passing the general aptitude test. Each segment of the trade requires specialized skill sets that are developed over the course multiple years in the trade and with the help of training courses.
- To become an elevator Installer and Repairer or Technician or Mechanic requires some skills and courses in many areas. Per a discussion I had about three years ago now with a dad who was in Boy Scouts with me and who worked as an Elevator Mechanic in the Bay area he stated it required an assortment of skills. Not everyone that wants to be an elevator mechanic can be one. Typically Elevator repairman or mechanics need to be able to work in confined spaces; in dimly lit areas; and at elevated heights with HV all around them. There is typically a lifting requirement as well like 50 or more pounds. Hence the safety requirement for this trade is significant. Note that in this state most if not all Elevator Mechanics belong to the Union and must pass a certification test. We have no degree or certificate at FC that really covers all this at this time. I have included some websites below for reference but in short the following is what I would suggest if someone would like to take courses at FC to start on the path to becoming an Elevator Mechanic:
  - A beginning mechanical class in Machining (Mach 116) where measurement is covered.
  - Blueprint Reading (DRAF 070 or CSTR 030)
  - A basic math or Technical Math course (TECH 081) and a Pre-Algebra course (Math 015). These courses will need to be completed before they go into the Electrical courses below.
  - At least three electrical courses. One in Basic Electronics or Electricity; one in Electrical Motors and one in High Voltage. A certificate in Electronic or Electrical wiring would be good. (Not sure we offer anything at FC but probably at SCE there would be some courses that may qualify)
  - A course in rigging and hoisting (We do not have any that I know of at FC-maybe Cypress or SCE)
  - Industrial Safety Course (Tech 127) (but also need something more in depth which covers many things like confined space training; Fire Training; PPE; hazard communication; etc.)
  - Industrial Electrical Code course (CSTR 034) and Mechanical code course (CSTR 038)
  - Beginning Welding course (Welding 121)

## Websites:

- Preparing for Aptitude Test and Interview <http://www.nietc.org/applications/preparing-to-apply/preparing-for-aptitude-interview.html>
- NIETC - NECA IBEW Electrical Training Center - The electrical apprenticeship program for training qualified electricians [www.nietc.org](http://www.nietc.org)
- NEIEP Website <https://www.neiep.org/bst-Default.aspx>
- National Elevator Industry Education Program [www.neiep.org](http://www.neiep.org)

## Fullerton College contacts:

- Brendon Kirby-Welding Instructor @ FC
- George Bonnand-Machine Technology Instructor

## Elevator Companies:

- Otis Elevator Co-Anaheim, CA · (714) 758-9593
- Amtech Elevator Services-Anaheim, CA · (714) 939-6516
- Delta Elevator Co. Inc-Santa Fe Springs, CA · (562) 944-2041