

CITY AND COUNTY OF SAN FRANCISCO

SUCCESS CENTER SF,

Asian Neighborhood Design,

and CITY BUILD OF San Francisco



SUCCESSCENTER SANFRANCISCO

Invite you to participate in our 10-week Pre-Apprenticeship training program at no cost to you that includes:

- Classroom and hands-on instruction in the construction trades
- Boots, coveralls, and safety equipment
- Life Skills classes and support from a case manager
- GED/HS Diploma Classes
- Transportation assistance & other supportive services (if needed)
- HAZMAT, OSHA 10 certification
- City Build certification prep
- Job readiness and placement services



CityBuild[®]

Office of Economic and Workforce Development
Building Tomorrow's Workforce Today

To be eligible you must attend the following
Orientation to be held on
THURSDAYS at 10:00 A.M.
Located at 1245 Howard Street, Francisco
(between 8th & 9th)

For more information please contact:

Rey LaChaux; RLaChaux@Successcentersf.org 415-549-7000 or
Tracy Green; [TGreen @andnet.org](mailto:TGreen@andnet.org) or 415-575-0423

Asian Neighborhood Design's Employment Training Center provides pathways out of poverty to lasting economic independence for San Francisco residents who are low-income and may have histories of incarceration, homelessness, substance abuse, or other major barriers to employment.

Employment Training Center Sample Curriculum Outline

Week 1	Introduction: Life skills training with basic financial literacy, money management, anger management & substance abuse awareness/prevention. Overview of green concepts with relevance to our families & communities.
Week 2	Safety & hand tools: Overview of construction process. Intro to traditional methods of building from site to framing. Worker safety with green awareness, tool identification & skills development. Construction math: Remedial math, tape measures, fractions, formulas, basic geometry, area, volume, language of numbers & expression of geometry in construction. Résumé workshop & introduction to interview techniques. Orientation to construction trades.
Week 3	Power tool usage & framing layout: Detailed look at anatomy of traditional residential structures. Understanding light wood framing. Intro to foundations, floor framing, wall framing and roof framing. Intro to shear walls, structural loads & Simpson hardware. Intro to power tools with hands-on exercises in tool usage. Orientation to unions & potential employers in the industry.
Week 4	Blueprint drafting & design: Intro to blueprints, drafting, codes, green design & construction systems; history of building construction. Implementation of framing with visualization for drawings. Understanding plans, sections & elevations. Reading specification & details from plans. Understanding the building process through design exercises. Development of Individual Development Plans.
Week 5	Introduction to concrete: Identification of components & assembly/formwork for concrete. Hands-on layout & erection of formwork & rebar installation. Presentation of impact that concrete has on the environment – alternative materials & differences from 'standard' concrete. Career Planning and Assessment.
Week 6	Advanced framing: Advanced framing projects; stairs & roofs. Traditional stick frame & truss system assemblies. Drafting drawings to explore geometric relationships; roof & stairs. Advanced understanding of construction details with reference to building codes. Resume building and Interview techniques.
Week 7	Introduction to drywall, siding & finishes: Intro to materials, components & techniques to cover framing & provide finishes to building interiors/exteriors. Hands-on layout, cutting, handling & installation. Coordinated lessons on green concepts of building envelope & importance of sealing, caulking & flashing. Practice interviews.
Week 8	Building openings & finish carpentry: Intro to windows & doors, various types & materials, installation practices & techniques. Hands-on installation, hanging of door, frame & window flashing & caulking. Layout & fabrication of finish cabinetry & trim installation. Workshops on hiring politics & on-the-job challenges;
Week 9	Multi-trades component: HVAC, plumbing, electrical, roofing, insulation, etc. The trades' standards & new green innovations shaping the field. Connection of various sub-trades to the entire building process & their impacts on the environment. Weatherization training. Trade applications for proper weatherizing to prevent air infiltration, energy loss, moisture intrusion & toxic air. Learning how to seal duct work, weather- stripping, caulking, insulation & HVAC systems. Learning the importance of clean indoor air quality.
Week 10	Solar photo-voltaic (PV) systems: Fundamentals of solar energy, such as PV systems, solar thermal, passive solar vs. active solar. Basic applications of solar & pre-requisites to become a solar installer. Learning 'real world' basics on how to work on various roof installations for solar; ladder safety, rack mounting on roofs for solar PV. Work on hands-on solar mock-up. Learn systems; penetrations, mounting procedures & electrical connections required.