



MOBU ENTERPRISES

The
GREEN BUILDING
APPRENTICESHIP PROGRAM

**CREATING THE FUTURE THROUGH
INNOVATIVE TRAINING AND OVERSIGHT**



A REGISTERED DEPARTMENT OF LABOR PROGRAM



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Building Trade Pre-/Apprenticeship program

Pre-/Apprenticeship programs are designed to prepare individuals to succeed in rigorous apprenticeships upon completion of the program. These programs work to ensure that individuals new to an industry or needing to gain critical academic skills receive the combination of industry-based training, communications skill sets, personal empowerment, and classroom instruction needed to move along a pathway into an apprenticeship program. A quality pre-apprenticeship contains five core components as defined in the U.S. Department of Labor framework:

- a partnership with a registered apprenticeship sponsor (Mobu Enterprises)
- an approved training and curriculum (Central Ga Tech and Penn Foster; bilingual)
- hands-on training (1:1 ratio apprentice and mentor)
- industry-recognized credentials (Certificates, degree, or diploma will be granted)
- supportive services (Ongoing mentoring beyond the classroom)

In addition to the core components, we plan to implement public speaking, on-camera communication skills, off-camera and interpersonal communications skills, sales, marketing, business etiquette, leadership, customer service excellence, and entrepreneurial training.

It is critical that pre-apprenticeships link directly to existing apprenticeship programs to ensure students are prepared for entry into an existing apprenticeship opportunity. In our program we will bridge them into an apprenticeship program upon completion of Pre-apprenticeship programming.

Pre-/Apprenticeships are designed to prepare workers for the minimum requirements for entry into an established apprenticeship program. Pre-apprenticeships can also be designed for specific populations including high school students, opportunity youth (who are out of school and out of work), women, ex-felons, and minorities. By reaching into high schools, pre-apprenticeship programs help to diversify the talent pipeline of skilled workers and expand opportunities for traditionally underserved communities. Pre-apprenticeships give minorities and other underrepresented populations the skills, confidence, and mentors they need to be successful in an existing apprenticeship program. For participants with barriers to employment, these programs also provide work-readiness skills and support services if needed.

For employers, pre-apprenticeships provide screened, well-prepared workers who are ready to participate in more rigorous apprenticeship programs. This training approach addresses the considerable challenges employers face in filling their frontline positions and developing a talent pipeline to fill middle-skilled jobs with a twist. We will train our participants to be GC exam ready and help them start a business upon graduation.



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Participants will learn the following:

Thermal & moisture protection	Properties of building materials (UV durability, weatherability)	Knowledge of green manufacturing materials, processes	Sustainability principles	Knowledge of audit checklists	Principles of integrated design	Knowledge of the sequencing and scheduling of specialty trades
Mold/indoor air quality (IAQ and radon)	Moisture migration and control	Building Materials	Overview of history of building science and methods	Recycling on site	Greenhouse gases & buildings/ambient noise. Radiant heat, hydronic	Understand the layout process
Knowledge of foundation systems	Ability to read the blueprints and understand the site plan and symbols	Understanding of site orientation of the building	Ability to draw plans	CAD and basic mechanical drafting/illustration	Understanding of drainage, dry wells, septic	Research effectively on the internet
Math: geometry, arithmetic, trigonometry, algebra	OSHA, WSHA, and industry safety procedures and regulations	Ability to perform job hazard analysis	Building codes	Construction standards	Environmental regulations	Purchasing and Development of vacant land strategic planning
Effectively communication on and off camera	Being the trade Boss	Technology centered Trade business	Business Etiquette 101	The Art of Marketing and Selling your Trade skills	Excellence in Leadership and Critical thinking	Excellence in Customer Service and business Organizing

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Tools and equipment needed: Hand tools; Portable power tools; Stationary power tools; Fasteners; Transit/Level Welding equipment; writing utensils; notebook or laptop; camera (optional)

Worker behaviors learned: Be on time & Reliability; public speaking, recognizing and writing English Grammar; Customer service techniques; listening to customers; Common sense; situational awareness: Ability to say I don't know; Coordination and communication with team members

Participant end goal: Basic and advanced level understanding of various construction trades; work setting safety; green building and sustainability practices; how to run a business effectively; how to use technology to be more efficient; effectively communicating in public settings; effectively building business relationships, moving from underdog to overachieving despite barriers; leadership training; and how to become the whole package personally and professionally.

Green End goal: Start with built green checklist • House as a system • Scheduling is a way to teach this (could be the spine). • Outline of how the trades come in. • Use green materials as examples • Materials that will make your house run more efficiently and better • Traditional components, and new components • Create a living breathing organism • Healthy place to live, air quality, comfort • Healthy, clean materials. Local materials. • Bring in manufacturers to set up and do presentations.

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