



# training

emerging professionals

**Exclusively for High School  
Sophomores, Junior, and Seniors!**  
Sign up now to learn about a future  
in tech trades & jump start your  
career, starting January 2022.

## What are tech trades?

**Tech trades** refers to a wide variety of careers where you work with your hands and make a big, real-world impact. Some great examples are HVAC, plumbing, electrician, and carpentry. These skills are in high demand, and starting a career in them often does not require a college education.

**The Training Emerging Professionals Program** introduces students to tech trades and the Corporate Real Estate (CRE) industry through a series of virtual and in-person classes taught by professionals in the industry. You'll learn about a lot of different trades to help you decide where you see yourself in the future, as well as some basic skills to help you succeed professionally. The program is designed to help you achieve an internship or apprenticeship afterwards.



**We are calling for 8-10 participants!**



This program is offered exclusively to high school sophomores, juniors, seniors, and recent high school graduates involved with Choose 180.

The classes will be held virtually and in person in a few locations in Seattle. We will provide transportation.

There is a \$50 per session stipend (\$800 total) and a pathway into CBRE's paid apprenticeship program.

**You're a great candidate if you:**

- Are interested in tech trades
- Like to work with your hands
- Are excited to invest in your future
- Can commit to attending classes on some school nights and Saturday mornings, from February - June 2022
- Are vaccinated for COVID-19
- Will be on camera for virtual sessions

**Highlights:**

- 14 sessions total (plus an exhibition at the end)
- Five virtual sessions
- Nine in-person (venue will vary)
- Nine weeknights (60 mins)
- Five Saturdays (2-3 hours)
- \$50 stipend per session (\$700 total)

## Who are Porter & CBRE?



### **Porter**

We're here to create thoughtful human-centered spaces that foster meaningful relationships through collaborative design so that employees can work their best. We work with leading global and local companies to transform and design spaces to promote productivity and creativity. We are driven by radical hospitality, the act of going beyond what is required to add sincerity and integrity to all our work.

### **CBRE**

We are the global leader in commercial real estate services and investments. With services, insights and data that span every dimension of the industry, we create solutions for clients of every size, in every sector and across every geography.

- 500 offices on 6 continents
- 2020 revenues of \$23.8 billion
- More than 100,000 employees

One of their biggest clients, Microsoft, has 107,000 employees just in the United States.

# Curriculum Schedule



## January '22

- Career Panel + Roundtable (Weeknight, date TBD)
- The Basics (Weeknight, date TBD)

## February '22

- Preventative Maintenance (Weeknight, date TBD)
- Communication Skills - Email, In-person, and Critical Questions (Weeknight, date TBD)
- Intro to Tools & Safety (Weekend, date TBD)

## March '22

- Basic Carpentry (Weekend, date TBD)
- Electrical Systems (Weeknight, date TBD)
- HVAC & Refrigeration Mechanics (Weeknight, date TBD)

## April '22

- Basic Plumbing (Weekend, date TBD)
- Smart Buildings and Digital Systems (Weeknight, date TBD)
- Microsoft Suite Training (Weeknight, date TBD)

## May '22

- Site Walk and Panel Discussion (Weekend, date TBD)
- Self-Care Workshop (Weeknight, date TBD)
- Thermal Energy Sitewalk and Panel (Weekend, date TBD)

## June '22

- Exhibition Prep (Weeknight, date TBD)
- Exhibition (Weeknight, date TBD)

## TBD

- Apprenticeship Program Visit (Saturday, In-person, TBD)

# Course Overview

## **Career Panel & Roundtable**

Meet the folks who keep buildings running; Carpenters, Electricians, Welders, Plumbers, and General Maintenance Professionals and hear about the pathways into their respective trades, jobs, and salary range.

**Jordan, Mitch, Mike Matter, Randy Walker**

## **The Basics**

Learn the basics of Blueprint and schematic reading.

**Nancy Chen Ibsen**

## **Preventative Maintenance**

Introduction to building assets and commercial equipment including types of assets, best practices, and successful strategies for prolonging the life of assets.

**Mitch Stelmack**

## **Communication Skills - Email, in-person and critical questions**

A course in professionalism and co-working etiquette including email and communication best practices, critical thinking, and leadership skills.

**Jordan Howe, Lauren Vizza Rich**

## **Intro to Tools and Safety**

Learn the basic safety of hand tool operations, specific to each trade or building engineers (circular saws, drills, portable band saws etc.)

**Glen Davenport, Michael Schultz**

## **Basic Carpentry**

Carpenters construct, repair, and install building frameworks, including walls, floors, door frames, and other structures made from wood and other materials.

**Todd Hyatt**

## **Electrical Systems**

Learn the basic safety of hand tool operations, specific to each trade or building engineers

**Rick Nelson**

## **HVAC & Refrigeration Mechanics**

Entry course for HVAC basics and thermal dynamics. Learn how a building and chiller plant operate.

**Mitch Stelmack, Rhys Payne**

# Course Overview

## **Basic Plumbing**

This course introduces you to the components, setup, and function of gas, electric, and tankless water heaters. Learn the basics of water heaters, plumbing tools, caulking and sealing, and an overview of materials and fixtures.

**Randy Walker**

## **Smart Buildings and Digital Systems Overview**

Intro to basic BAS, ESB training

**Ray Nichols, Tim Pryor**

## **Smart Buildings and Digital Systems Overview**

Learn about Microsoft Suite, an essential tool for communicating on the job.

**Jordan Howe**

## **Site Walk and Panel Discussion**

Tour a construction site and see the building process in action. Afterwards, listen to a panel with a general contractor, project manager, and field manager discussing the construction process.

Instructor TBD

## **Self-Care Workshop**

Course Description: TBD

**Eileen Halsted**

## **Thermal Energy Sitewalk and Panel**

**Bryan Miller**

## **Exhibition Prep**

Students prepare to present on one topic they learned from their time in this training. In prep, they learn presentation training, ask final questions on their chosen topic and prepare for their exhibition.

Instructor TBD

## **Exhibition**

Students present on one topic they learned from their time in this training.

Instructor TBD

## **TBD**

## **Apprenticeship Program Visit**

Students have a chance to tour the CBRE apprenticeship program, including a round-table with other mentors and apprenticeships.

Now Calling for  
Volunteers



If you're interested in volunteering or would like more information, please sign up [HERE!](#) or reach out to Kathleen Selke at [ksselke@porter.works](mailto:kselke@porter.works)!

porter