

YouthBuild Construction Syllabus 2020-2021

Instructors: Matt Newton & Tim Stender

Covid Schedule:
Independent Online
assignments due each
week Core +
In-person Session:
11:00- 2:00

Course Description:

YouthBuild Construction is a Pre-Apprenticeship program designed to provide basic construction industry knowledge and skills. Information presented is intended to prepare students like you for entry into an apprenticeship in the construction trades. You will ensure your success in this program by being "*actively involved*" in the entire program, carefully following practice activities and successfully completing workbook exercises.

The course covers: design and blueprint process, lot development, subfloor construction, rough framing and carpentry, wall and roof construction, and proper and safe tool use. The most successful workers in any field are professional in their approach to their job and demonstrate leadership skills. New Market will help you acquire these skills with training in time management, teamwork, organization, communication, problem solving, decision making, and customer service.

Instructional Philosophy:

"To create a learning environment as close to that of the professional work world as possible, in which all students reach their highest potential in the preparation for continuing education. Continuing education being further on the job training through apprenticeship, technical college, four year university or the military"

Course Goals:

- A pre-apprentice program closely follows the JATC apprenticeship model and standards
- Focused on nurturing trainable, problem solvers that work well with others
- Academically rigorous, with about a third of the course devoted math and general construction knowledge
- Under the OSPI frameworks for preparatory Construction trades and is aligned with the ITEA standards for technical literacy, the EALR's and the GLE's

Major Course Assignments and Projects:

- Basic shop and workplace safety
- Basic measurement proficiency
- MAIP Skill Blocks
- Carpenters Tool Tote
- Carpenters Stool
- Sawhorse
- Scale house framing model
- Full-sized small house framing project
- Independent project for culminating / senior presentation

Grading Policies and Classroom Expectations

As a successful student in the Construction Trades Program, you are expected to:

- Come to class on time, and be on task at all times.
 1. Tardies and missed sign-ins = loss of daily stipend
 2. 6+ Absences = Moved into Phase II of YouthBuild
 3. Tardies and Absences can be made up case by case basis after meeting with student and YB staff.
- Pay attention to the lessons and instructions.
- Follow safety rules in the use and care of machinery and tools.
- Take care of tools and return them to their proper place.
- Take an active part in lab cleanup.
- Use respectful and appropriate language, including technical terminology.
- Be accountable for your performance and location at all times.
- Use teaching resources and classroom technology appropriately.
- Turn in assignments and projects on time.
- Keep assignments, projects, and portfolio materials organized and available.

Methods of Grading and Evaluation:

The student will be evaluated on the basis of his/her performance on the following three areas:

- **Skills:** PACT Core Plus, NCCER Skill Blocks, required projects, independent projects and senior presentations
- **Knowledge:** Tests, quizzes and written work demonstrating understanding of course content
- **Professionalism:** Employability profile, attendance and leadership

Materials, Resources and Instructional Strategies

Learning methods include:

- Lecture and discussion
- Video tapes
- Demonstrations of equipment, tools, software, and techniques
- Equipment safety and operation quizzes
- MAIP Blocks (hands-on activities and projects)
- Guest speakers and fieldtrips
- Learning and employability profile