



**FULLY
FUNDED
COURSES**

**SKILLS
FOR LIFE**
SKILLS BOOTCAMPS

Future of Construction

SKILLS BOOTCAMP GUIDE

Future of Construction is delivered by YTKO and funded and managed by the West of England Combined Authority, led by Metro Mayor Dan Norris. Skills Bootcamps are part of the UK Government's Lifetime Skills Guarantee, helping everyone gain skills for life.



Please find a comprehensive overview of the Skills Bootcamp. If you have any questions, please contact westofengland@ytko.com



Masterclass delivery

There will be 8 Masterclasses in total running on the same day and time each week (please see Welcome email for details), which may include a site visit (dependent on the course). The first and last Masterclasses will be an in-person session at our Temple Studios office. The six remaining Masterclasses will be online (Zoom).



Masterclasses (in-person)

The venue for all in-person Masterclasses will be at Temple Studios, Temple Gate, Bristol BS1 6QA - unless detailed otherwise. The venue is conveniently located next to Bristol Temple Meads station and is well served by both train and bus routes. There is also parking at the venue.



Masterclass content

All slides from each Masterclass will be available online for you. We will also provide recordings from each Masterclass so if you do miss a session don't worry. There will be many more materials available online, such a Learner Portfolio.



Additional support

Each week as well as the Masterclasses you will have the opportunity to book 1-to-1's with tutors, progression meetings with Learner Support Coordinators and peer-to-peer sessions. All of these are optional but if you need further support there is plenty for you to pick from.



Learner Declaration

Prior to the start of the course, we require learners to complete the online Skills Bootcamps Learner Declaration, which is necessary for you to finalise your enrolment.



Contact

If you need additional support or have any questions outside of the Masterclasses or mentoring sessions, please contact your Learner Support Coordinator, or email us at westofengland@ytko.com.

MASTERCLASS SESSIONS

1: Learner Enrolment Session

- Understanding of the course outcomes and expectations
- Overview of the Competency Framework and Portfolio
- Meet the tutoring team
- Any questions answered

2: Sustainable construction approaches



- Explain the benefits of MMC in retrofit scheme
- Understand how to minimise the performance gap
- Greater knowledge in reducing the environmental impact of construction
- Create a social value model to reduce impact of a building

3: Digital design skills & tools



- Identify the benefits of using digital design in a manufacturing process
- Mapping digital design to the RIBA stages of building
- Explain the principles of using specific digital design systems such as BIM & Digital Twins
- Interpret assembly drawings and understand digital twinning processes using BIM

4: Offsite Construction



- What are modern methods of construction?
- Calculate Pre-Manufactured Value
- Explain the benefits of using process engineering builds, including – materials, site labour, manufacturing process, plant etc.

5: Retrofitting for the Future



- The Resource Challenge
- The Carbon Context
- Understanding the waste from retrofitting and localising material flows
- Explain where the value is – whether to rebuild, renovate, refurb or retrofit
- How to use industry toolkits

6: Site Visit – (in person)

- Tour of a location within the city to support your learning on the course by seeing theory in practice. We will confirm with you which site visit you will be on during enrolment.

7: Traditional & Modern Construction Cultures



- Explain the benefits of using a manufactured process against a traditional “problem-solving” construction culture
- Understand the issues which are impacting traditional construction cultures – including inclusivity, delays, project, and cost management
- Provide a case study on a traditional vs MMC construction site
- Explore the concept of build value

8: Learner Impact & Action Plan Development, Course Wrap Up

- Course impact and action plan for the future
- How you and your business could develop

HOW TO SIGN-UP

Register now

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west-of-england-skills-bootcamps](https://westofengland.ytko.com/west-of-england-skills-bootcamps)

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