



National Occupational Framework: Civil Engineering Technician

Civil engineering technicians assist with the planning, design, and construction of infrastructure and development projects. They gather site information, create project drawings and specifications, support project planning, and monitor and report on work progress. They work with civil engineers, project managers, and others to ensure successful project completion.

Civil Engineering Technician
National Occupational Framework
<https://urban.is/3S7PJSJL>



Apprenticeship: A Solution for Recruiting and Training Civil Engineering Technicians

Apprenticeship programs combine learning on the job and in the classroom to train workers in the exact skills needed by employers. Civil engineering technicians play a vital role in designing and implementing projects that maintain and upgrade the nation's physical infrastructure. Apprenticeship programs can equip workers with the engineering, communication, software, and project management knowledge and skills they need to enter and succeed in this important occupation.



Apprenticeship Benefits:

90%
employment retention for apprentices

86%
of employers with programs recommend apprenticeship

\$1.44
return on investment for every dollar spent

WHAT'S INCLUDED IN A NATIONAL OCCUPATIONAL FRAMEWORK?

- background information to help you learn more about the occupation
- comprehensive list of the competencies apprentices need to do the job
- building blocks of information for employers developing a registered apprenticeship program

Questions? Visit the National Apprenticeship Resource Hub at apprenticeships.urban.org or contact the Urban Institute at apprenticeship@urban.org.



This project has been funded, either wholly or in part, with federal funds from the Department of Labor, Employment and Training Administration under Cooperative Grant Number AP-36653-21-75-A-11. The contents of this publication do not necessarily reflect the views or policies of the Department of Labor, nor does mention of trade names, commercial products, or organizations imply endorsement of the same by the US Government.