

Civil Engineering Technician (17-3022.00)

At-a-Glance Statistics

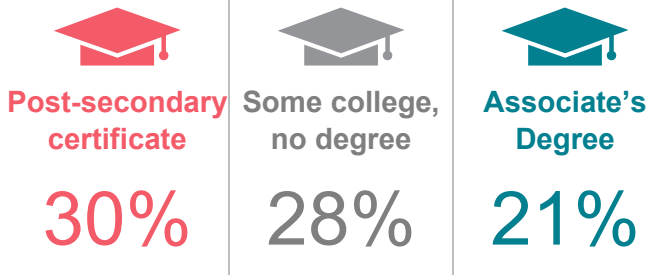
Sample Job Titles

Civil Designer, Civil Engineering Assistant, Civil Engineering Designer, Civil Engineering Technician, Design Technician, Engineer Technician, Engineering Assistant, Engineering Specialist, Engineering Technician, Transportation Engineering Technician

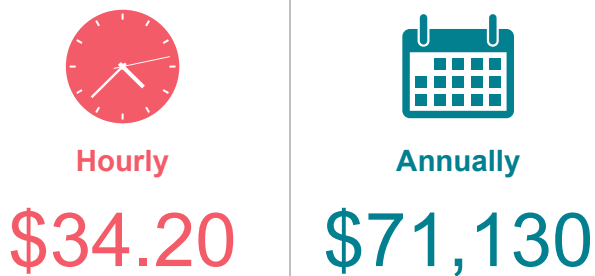
Key Tasks

- Calculate dimensions, square footage, profile and component specifications, and material quantities using calculator or computer.
- Read and review project blueprints and structural specifications to determine dimensions of structure or system and material requirements.
- Draft detailed dimensional drawings and design layouts for projects and to ensure conformance to specifications.
- Confer with supervisor to determine project details such as plan preparation, acceptance testing, and evaluation of field conditions.
- Analyze proposed site factors and design maps, graphs, tracings, and diagrams to illustrate findings.
- Prepare reports and document project activities and data.
- Report maintenance problems occurring at project site to supervisor and negotiate changes to resolve system conflicts.
- Inspect project site and evaluate contractor work to detect design malfunctions and ensure conformance to design specifications and applicable codes.
- Conduct materials test and analysis using tools and equipment and applying engineering knowledge.
- Develop plans and estimate costs for installation of systems, utilization of facilities, or construction of structures.
- Develop project budgets by estimating the cost of project activities.

Education and Training



Median Wages



Top Industries



Number Employed



Top Ten States for Occupational Percentage Growth

