

# Civil Engineer

## Who is a Structural Engineer?

**Structural Engineering** is a specialization in Civil Engineering. A **Structural Engineer** often works or collaborates with the **Architect** to ensure that the structures which the Architect designs is safe. His responsibility is to undergo an **extensive calculations** to analyze certain elements in the structure whether it's made of concrete or steel and reinforce them by selecting the right materials which can withstand the applied loadings on the structural element.

After the analysis, the structural engineer would draft and produce detailed drawings to indicate the types of reinforcement and to demonstrate how they will be constructed on site.

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