GRADUATE CIVIL ENGINEER

Posting ID: EM188194F5

Company: ARUP

Position Type: Full-Time

College Major(s): Civil Engineering (CEE)

Company Website: https://www.arup.com/

Work Location: San Francisco, CA

Salary:

College Level(s): Graduate Student, PhD. Student

OVERVIEW

Arup is an independent firm of designers, planners, engineers, consultants and technical specialists, working across every aspect of today’s built environment. Together we help our clients solve their most complex challenges – turning exciting ideas into tangible reality as we strive to find a better way and shape a better world.

Engineering the world

Arup made its name in the twentieth century as the designer and engineer behind some of the world’s most ambitious structures. That creative strength and independence of mind continues to guide us. Today, Arup employs more than 14,000 people, in more than 34 countries – in a culture underpinned by Sir Ove Arup’s aims and values.

Roles and Responsibilities

Graduate Civil Engineer - Available 2019

Start Here, Go Anywhere! Are you looking for an opportunity to shape a better world?

During your career at Arup, you’ll have the chance to engage in a fulfilling career and work with some of the most highly respected engineers and specialists in the world. You’ll also get the opportunity to work on exciting and significant projects, delivering quality work that has a positive and lasting influence on the community and the environment.

Responsibilities of this specific role will include, but not be limited to the following:

• MicroStation and AutoCAD software to layout roads, rail alignments, drainage systems and utility systems as well as grading designs

• Hydraulic modeling tools such as InfoWorks, Hydraflow and WaterCAD to analyze and design stormwater, sanitary and potable water systems

• Applicable codes, specifications and standards for design of the above elements
• Interdependence between skills in delivering sustainable outcomes

• Many phases of the planning, design and construction process

• Techniques associated with construction activities

• Regulatory environment for gaining approval at different stages of project delivery

• Wide range of disciplines and skills with Arup

• Needs and concerns of our clients

• Big-picture awareness that permeates every skill area in Arup

• Format, style and quality of our reports, calculations, plans, drawing and specifications

**Education and Qualifications**

**Required:**

• Bachelor's Degree in Civil Engineering

• 3.0 GPA or higher

• Sound knowledge of civil engineering fundamentals

• Familiarity with civil drafting software

• Technical writing

• Excellent planning and organization skills required for our fast-paced environment

• Must be highly motivated, proactive and willing to take on new challenges

**Preferred Skills**

**Preferred:**

• Master’s Degree in Civil Engineering

• EIT/ FE Certification

• Proficient with civil engineering design and analysis tools for roads, rail and/or water systems

• Fluency in 3D CAD software

• Experience in parametric design

**How to Apply**

[https://arup.jobs/san-francisco-ca/graduate-civil-engineer/E36493D4AD8F439B8F0B92A013DA5B95/job/?utm_source=Symplicity-DE&utm_campaign=Symplicity&vs=5082&utm_medium=XMLFeed](https://arup.jobs/san-francisco-ca/graduate-civil-engineer/E36493D4AD8F439B8F0B92A013DA5B95/job/?utm_source=Symplicity-DE&utm_campaign=Symplicity&vs=5082&utm_medium=XMLFeed)