

## **Civil Engineering Designer**

### **Revised Overview Section**

Civil engineering, which has existed for quite a long time, is one of the disciplines offered in most universities. Civil engineering design is a branch of civil engineering because it focuses on the designs that engineers use before they go to field work. Supposedly, there is going to be more designers in this sphere because the field requires a lot of civil engineers. Young specialists need to meet various demands while applying for an entry-level job, and employers must ensure that applicants have enough competency for this career. Some of the demands include an accredited qualification in civil engineering from a reputable institution. There should also be favorable working conditions; this means that the risk that may affect their health is minimized (Career Planner 1). Another demand that should be considered is that engineers should be well compensated so that in case they face danger, they get compensation in terms of getting a favorable treatment, ensuring that they are rehabilitated if the injury is serious. There would also be a demand for experienced experts in civil engineering works. Consequently, it is necessary to develop careers of civil engineers as the world is constantly revolving. If all these factors are considered, then there will be more people who want to practice civil engineering as they are assured of safety and advancement of their skills. However, not only appropriate studies are required in this area. Before getting a civil engineering job, a lot of factors should be taken into consideration, like the level of competency and efficiency among others. There have been a lot of demands for new hires in the area of civil engineering designs. Moreover, engineers are entitled to appropriate compensation if they have more than five years of experience. The discipline of civil engineering has a lot of areas to work in.

## **Both Current Demands and Outlook for Five Years**

There are a lot of demands for new hires in the field of civil engineering design. These demands remain relevant due to the fact that there are not many specialists practicing civil engineering. Also, there are few designers in this field. Therefore, the demand for people who specialize in civil engineering designs is very high as there are not enough professionals .

Current demands for civil engineering designs may be a bit low because specialists from other areas can do this work too. For example, landscape architectures, professionals specializing in construction management, and those whose major focus is on general architectural work.

Organizations may prefer these employees because they know exactly in what area they have been specializing, not knowing that the best people to do such designs are civil engineering designers as they have their own field of specialization, which is directly in line with civil engineering (National Careers Service 1). The association of engineers in any country should ensure that professionals who specialize in civil engineering designs are registered as competent engineers who can be hired by any organizations as qualified employees, just like other engineers who have other fields of specialization.

There are projections that future demands for civil engineers , especially those who major in designs, will go down. This can be explained by the fact that most people know that the sphere of civil engineering design is very competitive. This means that people are interested in getting the job because it is well paid. In addition, some projections indicate that the demand for hires in the next five years will be very low. As a result, not all applicants will be demanded in the field. Organizations argue that they require only one civil engineering designer to work for them. This means that currently employed engineers will have gained much experience to be competent in their fields.

## **Methods to be Used to Get the Job**

One method of getting a job is to write a formal application letter. The formal application letter will then be forwarded to specific organizations the applicant is interested in. Forwarding an application letter is a good way of getting a job because it does not limit a job seeker in terms of the time when there is a vacancy in an organization. The job can also be obtained even though a company does not look for employees, which means that it is not necessary to ensure that there is a vacancy for a certain job .

Another method of getting a job is to advertize and post a resume to available organizations, which deal with civil engineering designs. This approach will help in getting to know organizations that readily give positions that concern civil engineering designs. Posting a resume is important because it will enhance competitiveness and also give a possibility to receive information about most organizations that operate in the required field.

Another way of looking for a job of a designer in the field of civil engineering is to display some of the designs with the help of the social media. For a long time, the social media has been used by a lot of people to look for work (Narayanan and Beeby 32). This may go well with those job seekers who already have experience and available designs, which they can demonstrate whenever they are needed. Therefore, it is necessary to ensure that the designs of people who are looking for a job are frequently posted in the social media so that they are easily available if their services are required,. This may also help the organizations that offer these services to make sure that the best designers work for them.

## **Compensation**

### *Beginning Compensation*

The starting level of compensation should be determined at the time when the person is employed. The compensation can be granted due to many reasons, for example, injuries among

others. Compensation should also be provided when the designer is much more experienced at that specific time. Most private organizations are considered to pay much more in comparison with national ones.

### *Above Compensation*

In terms of comparing compensation to national averages of all the jobs, people prefer to work in private civil engineering organizations rather than national organizations, which results in a situation where there is a congestion in the private sector due to the fact that it offers higher compensation than the national sector (PotterFellows 1). The demand for new hires in the private sector is also high because most job seekers know about existing vacancies in this field. This tendency is important as it produces many expatriates. Civil engineering design is also an important sector because it creates a linkage between different sectors.

### *Compensation after 5 Years*

After five years, the compensation for a civil engineering designer should be increased significantly, depending on his/her experience. For instance, civil engineering design can also be linked with other professions such as architecture among others; compensation should also be made for three-five years of job experience. Compensation that is based on experience is important because it ensures security of professionals in their area of specialization (Civil Engineering Job Description 1). There are a lot of risks that may occur during the practice of civil engineering design, and, therefore, it is important for employees to be compensated by the organization they work for.

### **Possible Growth Paths from the Job**

There are many possible growth paths in the job that concerns civil engineering design as it is a very promising field that offers various prospects. Due to the fact that designers are able to come up with solutions that can manage both manmade and natural problems, some kind of

specialization in either manmade or the natural field may be required (Mazher 1). There are also other possible growth paths in the field of civil engineering thanks to the growth of information technology. Information technology is an important aspect of the today's world because there has been a very big revolution in this sector; civil engineers, especially those who focus on designs, should ensure that these factors are considered. The designs they make should be computerized, which means that software should be developed to help solve problems. This automation will then lead to the growth of civil engineering design as a special branch of civil engineering.

Civil engineering designers may peruse other positions that may also provide them with career advancement. These areas may overlap with the field of entrepreneurship. Entrepreneurship involves creating new jobs, therefore, an entrepreneur may decide to create his/her own organization that deals with construction and hire civil engineers and other professionals as well, in such a way, advancement will be achieved and more jobs will be created (PotterFellows 1).

Creating own company may also stimulate an entrepreneur to hone interpersonal skills such as proper managerial qualities, the ability to lead people as the head of the company is supposed to show the way for his/her employees . For a person that is determined to get a lot of experience and to advance in this sector, there are a lot of things that need to be considered. First, experience in the field is extremely important, it should amount to at least four years (CE Exams and Licenses 1). A professional who has four years of experience is able to understand the specifics of the business, the need to open his/ her own organization, and the challenges that may be faced. In addition, the way of compensating workers should be considered at some point.

### **Revised Conclusion**

To sum up, civil engineering design is a very influential branch of civil engineering and it should be taken with much seriousness. The process of hiring civil engineering designers should

not be selective. Equality should be maintained and they should be regarded as qualified engineers. Furthermore, the civil engineering designers require a proper working environment because in case of an injury or a trauma, they have to be compensated. The way they are compensated should not depend on the timeframe that they have worked in a specific organization but on their general level of experience. Civil engineering designers perform many activities and, therefore, the level of experience they gain should be considered because it is not only the matter of the university studies but also the experience they gain in the firm they work for. Moreover, software should be created so that designers get advanced knowledge of computer systems due to the development of information technology. This means that if the field is taken seriously, then its growth will be much more significant.

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