

EARNINGS:

2000 Annual Earnings of Civil Engineers

	Earnings
Median	\$55,740
Middle 50%	Between \$45,150 & \$69,470
Lowest 10%	Less than \$37,430
Highest 10%	More than \$86,000

2000 Median Annual Earnings in the Industries Employing the Largest Number of Civil Engineers

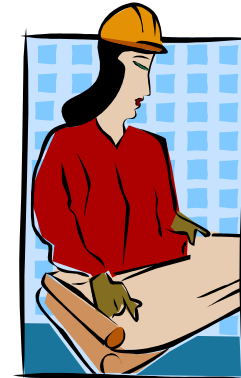
	Earnings
Federal Government	\$63,530
Heavy Construction, Except Highway	\$62,010
Local Government	\$56,830
State Government	\$54,630
Engineering and Architectural Services	\$54,550

Sources

<http://www.bls.gov/oco/print/ocos030.htm>

<http://www.bls.gov/oco/print/ocos027.htm>

Civil Engineer



IS THIS A POSSIBLE CAREER FOR YOU?

NATURE OF WORK:

The occupation of a civil engineer consists of designing and supervising construction of roads, buildings, airports, tunnels, dams, bridges, and water supply and sewage systems. It is considered one of the oldest engineering careers. One can focus on a specialty in the civil engineering sector. These include: structural, water resources, environmental, construction, transportation, and geotechnical engineering. Positions are available at an administrative level, as well as design, construction, research and teaching levels.

QUALIFICATIONS NEEDED/ TRAINING/ EDUCATION:

- Bachelor's degree required in engineering for almost all entry level jobs
- Strong solid background in mathematics and science
- Ability to be creative, inquisitive, analytical, and very detail oriented
- Communication skills a must, both verbally and orally
- Ability to work well in a team
- Graduate degree is required for a faculty positions teaching engineering classes, as well as for many research and development programs
- Receiving a Professional Engineer (PE) license to practice as an Engineer, is required for all engineers who offer their services directly to the public, throughout all

of the 50 States and the District of Columbia

- Requires a degree from an ABET-accredited engineering program
 - 4 years of relevant work experience
 - Must successfully pass a State examination
- Entails two stages of completion
1. Initial Fundamentals of Engineering (FE) examination
 - * After passing, engineers are then called Engineers in Training (EIT) or Engineer Interns (EI)
 - * Valid for 10 years
 2. After acquiring suitable work experience, a second examination is required, the Principles and Practice of Engineering Exam
- Several States require mandatory continuing education classes in order to retain one's license



JOB OUTLOOK:

The employment rate for civil engineers is expected to rise about as fast as the average for all other occupations through the year 2010. With the population growth and the expanding economy, civil engineers will be needed to improve transportation needs, water supply, pollution control systems, and large buildings and complexes.

GEOGRAPHICAL AREAS OF EMPLOYMENT:

Civil engineers usually find jobs near major industrial and commercial centers, often at construction sites. Some jobs may even be found in foreign countries working on various projects. Others work for universities and institutions working on research and development projects.