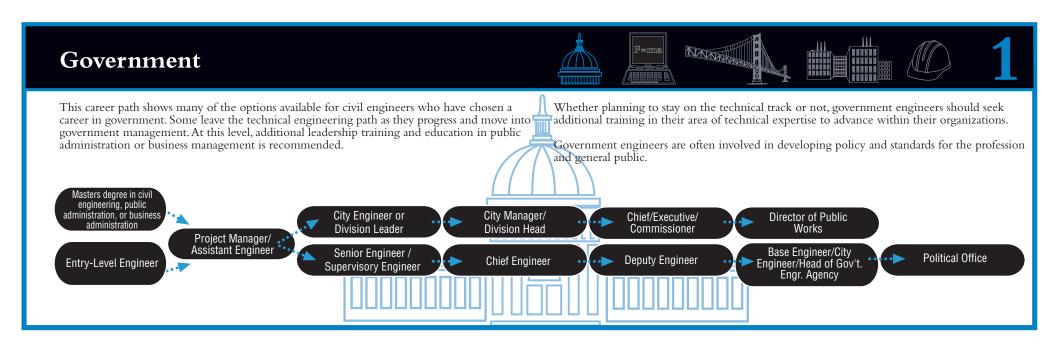


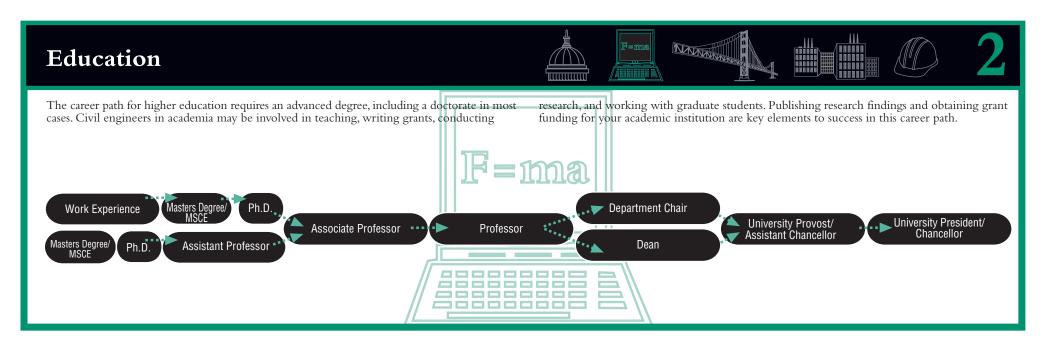
# in Civil Engineering

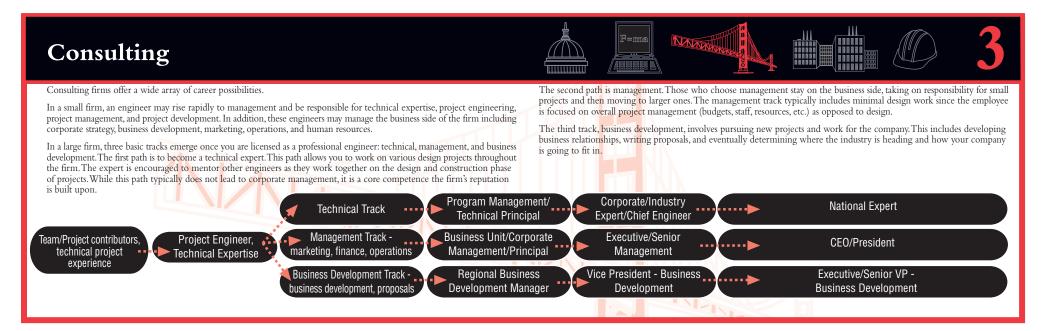


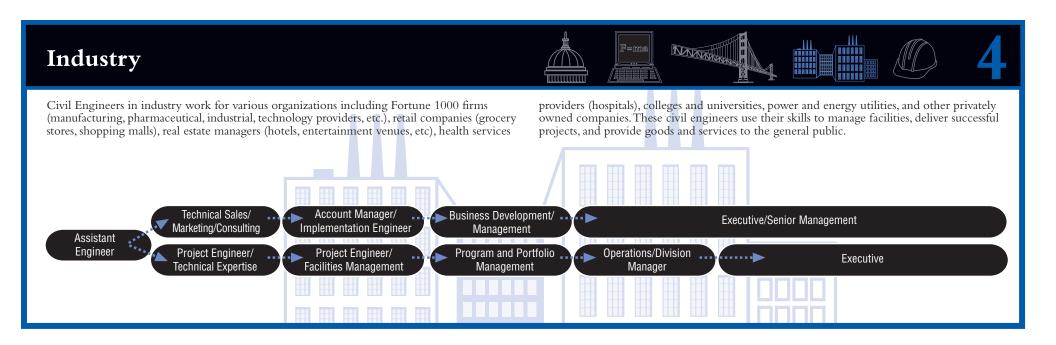


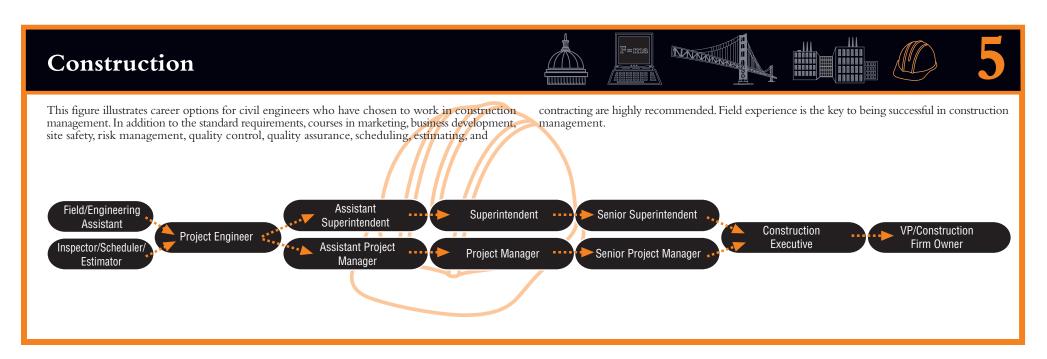
Seek out the career path that best fits your goals and will be most satisfying to you.











### **Basic Requirements**

- High School Math and Science Courses
- Bachelors of Science in Civil Engineering / Bachelors of Civil Engineering Degree
- Take and pass the Fundamentals of Engineering (FE) Exam as soon as you are eligible
- Work Experience (number of years to qualify for the Principles and Practice of Engineering Exam, PE Exam, varies by state)
- Licensure as a Professional Engineer (PE) is a requirement for any of these paths (requirements vary by state)
- The Civil Engineering Body of Knowledge for the 21st Century is a guideline to prepare an aspiring civil engineer for licensure and practice of civil engineering at the professional level.











#### **Transition**

Every career has twists and turns that cannot be charted, and you can transition from one career path to another. Here are some suggestions on how to find a path that works well for you:

- Develop a long-term vision.
- Have a short-term plan.
- Review your career plan annually.
- Enhance your ability to communicate.
- Listen to what others have done.
- Find a mentor.
- Improve your skills through continuing education.
- Don't be afraid to change.
- Be willing to take a risk.
- · Challenge yourself.
- Have fun.

Each of the career paths has inherently different benefits. Seek out the career path that best fits your goals and will be most satisfying to you.

Enjoy the journey. You will be much happier in the long run.



## Career Paths 2

Do you ever wonder what path you would follow to become a corporate chief executive officer ... or a public works director? How about a professor of civil engineering? A project engineer for a large consulting firm? Or a senior project manager for a construction management firm? This brochure explores many of the careers paths open to you as a civil engineer.

While there are no magic formulas to achieve your career goals, the career paths presented here were developed by civil engineers in these fields and represent their knowledge of a logical career progression.

This brochure illustrates only five of the dozens of paths possible in the broad and expanding field of civil engineering. Your individual interests, skills, and training will dictate the path you should follow. Over time, you may modify your career path based on personal interests, values, goals, experiences, and new opportunities that present themselves.

This document provides a tool to help you create a strategy for your own personal career development. Planning for advancement can make the difference between a mediocre job and obtaining your position of choice.

ASCE's Committee on Career Development would like to make this a living document that provides a compendium of career paths. Perhaps your own career path provides an example for others to follow. We encourage you to provide comments and career paths to ASCE's Professional Practice staff at 800-548-ASCE (2723).



for Civil Engineers











## in Civil Engineering

Committee on Career Development



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