What can I do with a major in...
CIVIL ENGINEERING

Civil Engineers plan, design, build, supervise, operate, and maintain construction projects/ systems in both public and private sectors. This includes roads, buildings, airports, tunnels, dams, bridges, and water supply/ sewage systems.

INDUSTRIES:

Professional, Scientific and Technical Services; Government; Construction

Common Job Titles

Construction Engineer
Geotechnical Engineer
Transportation Engineer
Public Works Director
Construction Site
Supervisor

2.8%
UNEMPLOYMENT

Tools

Distance Meters
Levels
Microfiche or microfilm
viewers
Scaled
Triangles

Work Styles

Analytical Thinking
Attention to Detail
Integrity
Dependability
Initiative
Leadership
Adaptability
Innovation

Salary
$62,780
ENTRY LEVEL

$82,220
MEDIAN ANNUAL

Popular Employers

URS Co.
HDR Inc.
AECOM Technology Co.
Us Army Corps of
Engineers

Technology

Analytical/ scientific software
Computer Aided Design
Software
Graphics or photo imaging
software
Map creation software
Project Management software

Related Occupations

Architect
Civil Engineering Technician
Construction Manager
Environmental Engineer
Landscape Architect
Mechanical Engineer

Civil Engineers:

- Analyze long range plans, survey reports, maps, and other data in order to plan projects.
- Compile and submit permit applications to local, state, and federal agencies, verifying that projects comply with various regulations.
- Use design software to plan and design transportation systems, hydraulic systems, and structures in accordance to industry and government standards.
- Consider construction costs, government regulations, potential environmental hazards, and other factors in planning the stages of, and risk analysis for, a project

Advice from the Pros

Think about your Specialty.

Since Civil Engineering is such a broad field, make sure that much of your coursework dovetails with the discipline you're most interested in pursuing, such as environmental or structural engineering.
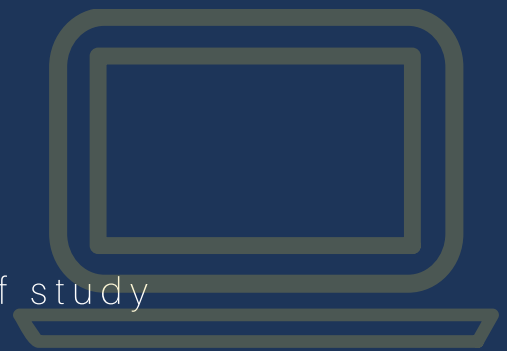
Find an Internship.

Internships will give you first hand experience in a particular discipline and can also help your job application rise to the top.

Research.

Checking on what a company may need in coursework prior to finishing your program of study would help, so that there are no gaps in your knowledge.

Make Connections.

If you are active in student groups with professional liaisons, you should develop your network and show that you're dependable and forward thinking.

Want more information? Go online to ONET /Occupational Outlook Handbook/U.S. News