

CAREER

CIVIL ENGINEER

Civil Engineers are the infrastructure creators! They design, build, and maintain structures such as roads, bridges, and water supply systems. With their technical expertise and problem-solving skills, they shape the built environment.

WHAT DOES THIS JOB INVOLVE?

Designing infrastructure

Planning and designing public projects

Structural analysis

Evaluating the strength of materials

Site inspections

Conducting on-site assessments

Calculations

Performing complex engineering calculations

Project management

Overseeing construction projects

Permitting

Obtaining necessary approvals and permits

Environmental impact assessment

Assessing project effects

Budget control

Managing project costs and budgets

HOW DO I GET INTO THIS CAREER?

While a university pathway is preferred, starting as a civil construction worker, then completing a degree is an option. An interest and skills in maths and physics is also important.

SALARY EXPECTATIONS

Low \$79,600

Median \$151,700

High \$214,500

RECOMMENDED TRAINING

BACHELOR OF ENGINEERING (MAJORING IN CIVIL ENGINEERING)

PROFESSIONAL ENGINEER'S LICENCE (MINIMUM 4 YEARS OF INDUSTRY WORK EXPERIENCE)

MASTERS OF CIVIL ENGINEERING