



### WHAT IS CONSTRUCTION ENGINEERING?

Construction engineers perform engineering duties in planning, designing, and overseeing construction and maintenance of building structures and facilities such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects, pipelines, power plants, and water and sewage systems.

**Sample job titles:** Project engineer, civil engineering manager, design engineer, city engineer, structural engineer, traffic engineer, county engineer, bridge/structure inspection team leader.



### JOB PROSPECTS

#### CONSTRUCTION ENGINEERS

- No. 2 in Best Engineering Jobs in 2020
- 2020 median salary \$86,640
- Unemployment rate 0.9%
- Bureau of Labor Statistics forecasts increase of 6.3% in new civil engineering jobs 2018-2028

#### CONSTRUCTION MANAGERS

- No. 57 in Best Jobs in 2020
- 2020 median salary is \$93,370
- Unemployment rate 1.8%
- Bureau of Labor Statistics forecasts increase of 9.8% in new construction manager jobs 2018-2028

### WHAT IS CONSTRUCTION MANAGEMENT?

Construction managers plan, direct, or coordinate activities concerned with the construction and maintenance of structures, facilities, and systems. They participate in the conceptual development of a construction project and oversee its organization, scheduling, budgeting, and implementation.

**Sample job titles:** Construction manager, general contractor, project manager, construction area manager, project executive, project superintendent, construction superintendent.

### DEGREES OFFERED

- B.S. Construction Engineering
- B.S. Construction Management
- M.S. Civil Engineering - Construction
- Master of Engineering - Construction
- Master of Construction Management (online)
- Ph.D. in Civil Engineering - Construction



### STUDENT OPPORTUNITIES

- Associated Schools of Construction Competition
- National Association of Homebuilders Student Competition
- Membership in professional organizations such as:
  - AGC - Associated General Contractors of America
  - NAHB - National Association of Homebuilders
  - ASCE - American Society of Civil Engineers