

CIVIL ENGINEERING



KEY SKILLS

- Analysis
- Complex Problem Solving
- Critical Thinking
- Data Interpretation
- Decision-Making
- Mathematics Operations
- Systems Analysis
- Time Management



CONCENTRATIONS/SPECIALIZATIONS

- Coastal
- Construction
- Earthquake
- Environmental
- Forensic
- Geotechnical
- Materials Science
- Structural
- Surveying
- Transportation
- Municipal / Urban
- Water Resources
- Systems



SAMPLE DEGREES

- Civil Engineering (BS, BS/MS, MS, PhD) (Concentrations in Environmental Engineering, General, Medical Prep, Sustainability, Transportation Engineering)
- Civil Engineering & Physics (BS)
- Civil Engineering + Engineering Management (BS/MS)



SAMPLE OCCUPATIONS

- Agricultural Engineer
- Architect/Architectural Manager
- Bridge Engineer
- Building Control Surveyor
- Construction Engineer
- Engineering Manager
- Environmental Engineer
- Facilities Engineer
- Geotechnical Engineer
- Highway Engineer
- Logistics Engineer
- Research Hydraulic Engineer
- Soil Conservationist
- Structural Engineer
- Transportation Engineer



POSSIBLE WORK SETTINGS

- Airport Facility
- Architectural Firm
- College/University
- Construction Company
- Federal Government
- Field Construction Site
- Laboratory
- Local Government
- Office Building
- Port
- Power Plant
- Transportation Authority



SAMPLE STUDENT ORGS

- American Society of Civil Engineers
- Engineers Without Borders
- National Society of Black Engineers
- Society of Women Engineers
- Tau Beta Pi (Eng. Honor Society)
- Theta Tau (Co-ed Eng. Fraternity)
- The Engineers' Council



SAMPLE EMPLOYERS

- AECOM
- All4 Inc.
- American Concrete Institute
- Axiom Engineering Design
- BAE Systems
- Barr Engineering Company
- Bechtel Corporation
- Ben Dyer Associates, Inc.
- Bohler Engineering VA, LLC
- Bowman Consulting
- CDI Co.
- Clark Engineering Co.
- CSX Transportation
- DBA Construction, Inc.
- Federal Highway Administration
- GEI Consultants, Inc.
- Global Engineering Solutions
- Granite Construction
- Hays
- HNTB
- J.L. Patterson & Associates
- J-U-B Engineers, Inc.
- KPFF
- Leidos
- M&J Engineering Group
- Parsons Corporation
- RealStreet
- Smart Synergies
- Tectonic Engineering
- Timmons Group, Inc.
- Toll Brothers
- Turner Construction
- US Air Force
- US Department of the Interior
- US Department of Transportation
- US Forest Service
- Wiley & Wilson, Inc.



PROFESSIONAL ORGS

- American Public Transportation Association
- American Society of Civil Engineers
- American Society of Highway Engineers
- National Society of Professional Engineers
- Society of Petroleum Engineers

