

## Civil Engineering

Civil engineers design, build and maintain buildings, roadways, dams, bridges, tunnels and sewers, among many other things. Civil engineers enter the public sector, working in local, state and federal government agencies, and the private sector in consulting and construction firms. The Stony Brook Civil Engineering program prepares its graduates for most areas of the profession, including geotechnical engineering, environmental engineering, hydraulics, structural engineering, construction management, and transportation/traffic engineering.



## Transferable Skills

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- Computer programming
  - Project management
  - Effective communication
  - Organization and maintenance of accurate records
  - Mathematical analysis
  - Electrical design
  - Computer-assisted design (CAD)
  - Problem solving and detailed observation
  - Analytical skills
  - Multidisciplinary teamwork
  - Professional and ethical responsibility

## Career Communities to Consider

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- IT & Engineering
  - Government & Public Service
  - Business