# Geotechnical Engineering

**Offered As:**
- Minor

*Open to students of other Faculties:*
- Yes

**What is it about?**

Geotechnical engineering includes studies in the major area of soil and rock mechanics, foundation and earth retaining systems, ground treatment and slope engineering.

Landslide is a common natural hazard in Hong Kong in which engineers and researchers spend much effort to mitigate the loss. Furthermore, development of the city urges into constructing tunnels and caverns, and reclaiming lands for a sustainable infrastructure development. Therefore, there is a strong demand for graduates with background in geotechnical engineering knowledge to work in these related projects.

**Offering Faculty/ Department/ School/Institute:**
- Department of Civil Engineering

**Pre-requisite requirements and/or other conditions for declaring the major/minor**
- Level 3 or above in HKDSE Mathematics or equivalent
- Level 3 or above in HKDSE Physics or Combined Science with Physics component or equivalent

**Career opportunities**

There is a strong demand for graduates with background in geotechnical engineering knowledge to work in areas such as tunnels and caverns construction and reclamation of lands.

**Further information:**
- [http://engg.hku.hk/home/minor/geotech.htm](http://engg.hku.hk/home/minor/geotech.htm)

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* Note: Students pursuing curricula with major / minor programme(s) must complete at least one major programme from their home Faculties upon graduation.

Disclaimer: The information mainly applies to students admitted in 2019-2020 and thereafter. For students from different cohorts, the information is only for reference. Please check with Faculty/offering department for details. The pre-requisite requirements / conditions are subject to changes by Faculties from time to time, and students are advised to check with their Faculty Office in case of doubt.