

Geological Engineer

Career Compass Geosciences

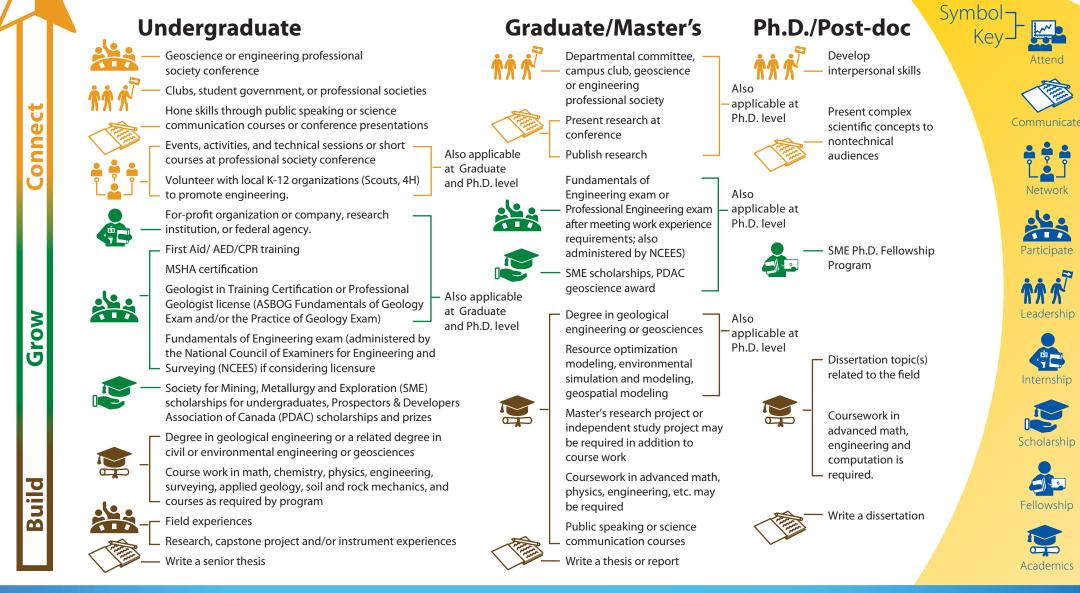
Job Summary

Geological engineers play an important role in identifying and mitigating human-made and natural hazards that pose a threat to civil structures, infrastructure, or people. These engineers apply earth sciences to human problems such as transportation, water and resource supply. Specialty areas include geotechnical site studies of rock and soil slope stability for projects; environmental studies and planning for construction sites; groundwater studies; hazard investigations; and finding fossil fuel and mineral deposits. Many of these work in offices or consult for engineering or environmental firms. Many are employed by highway departments, environmental protection agencies, forest services, and hydro operations.

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This career compass provides options, tips, suggestions, and strategies for how a student can obtain critical skills, experiences, and competencies in order to launch their geoscience career based on their academic standing. The content herein is based on data from the U.S. Bureau of Labor Statistics, interviews with personnel in the occupation, and research on available student opportunities.



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