GRADUATE PROGRAMS IN Civil Engineering

Carleton University is recognized for its advanced research in civil and environmental engineering, with expertise in structural, materials and earthquake engineering; infrastructure protection; fire safety; transportation engineering; geotechnical engineering; water resources and wastewater; air pollution; hydrogeology and waste management; and heritage and sustainable buildings.

The Department of Civil and Environmental Engineering is home to a high concentration of accomplished and internationally-recognized researchers, including the Jarislowsky Foundation Research Chair in Water and Global Health. Carleton is also home to a wide assortment of world-class research facilities. As a result, our graduate students gain hands-on research experience while developing state-of-the-art theory.

Our degree programs in Civil Engineering are jointly taught with the University of Ottawa through the Ottawa-Carleton Institute for Civil Engineering (OCICE). The MASc and PhD require the completion of a thesis while the MEng is predominately course-based with the option of a research project.

DEGREES OFFERED
PhD, MASc, MEng

CAREER OPTIONS
Our location in the nation’s capital allows for proximity to and collaboration with the National Research Council Canada, Natural Resources Canada, Environment Canada, Heritage Conservation Directorate, Canada Green Building Council, Parks Canada and many heritage sites including the Parliament Buildings, Rideau Canal, Royal Canadian Mint, etc. Career opportunities are just around the corner.

FALL APPLICATION DEADLINE
March 1, recommended deadline for international students for more funding opportunities.

The Department of Civil and Environmental Engineering guarantees a Minimum Doctoral Funding of $35,000/year to successful domestic doctoral candidates. Applicants are encouraged to discuss the exact level and the details of their funding package with potential supervisors as early as possible during the application process. Note that the actual funding level can be higher than the above-mentioned Minimum Doctoral Funding amount if the student receives external awards or higher Research Assistantship.

ADMISSION REQUIREMENTS
MASTER’S: An honours bachelor’s degree, or academic equivalent, in civil engineering or a related discipline, with an average of B+ or higher in discipline specific courses, and overall average of B- or higher.

PHD: A master’s degree with a thesis in civil engineering or a related discipline, and at least a B+ average in five graduate courses, with no grade below a B- in any graduate courses.

During my MASc and PhD in Civil Engineering, I learned advanced engineering techniques, developed and implemented cutting-edge technologies, travelled the world and collaborated with internationally-renowned researchers. Carleton’s professors are passionate about teaching and research and continually strive to equip students with state-of-the-art skills and critical thinking.

— Burak Gunay, PhD/16 and MAE/11

carleton.ca/cee