Civil Engineering students obtain a strong fundamental knowledge of mathematics, physics, chemistry, solid mechanics, fluid mechanics and structures. Students further focus their studies on sub-disciplines including environmental, geotechnical, hydraulics, structures and transportation engineering. Students understand the design and structural analysis of a truss, use building information modeling software and learn about plane surveying methods.

OPTIONAL SPECIALIZATION

ENVIRONMENTAL ENGINEERING
- Emphasizes developing expertise in addressing environmental engineering problems.

ENGINEERING CO-OP... WORKING FOR YOU

Highlights of what our talented Co-op students can do for you and your organization:
- Complete project estimation, quantity take-offs and tendering
- Carry out plane surveying
- Perform field and laboratory tests/soil sample collection
- Review and update drawing using AutoCAD and Revit
- Conduct site and building inspection
- Contribute to structural designs
- Assist with transportation planning and traffic analysis
- Assist in construction project management
- Analyze data and compose written reports
- Participate in environmental assessments

www.civil.ubc.ca
www.ubc.ca/okanagan/engineering
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