IGEN 452 Pipeline Design course topics:

- Pipeline and pipeline system design reflecting applicable policies, regulations, design codes and design guidelines;
- Construction management and construction techniques;
- Risk assessment and mitigation;
- Linear optimization; route selection;
- Field monitoring and testing; and
- Technical design project.

The IGEN 452 Pipeline Design course is comprised of a unique delivery of lectures presented by industry experts and partners of the UBC Pipeline Integrity Institute.

The opportunity to teach and train the next generation of pipeline engineers, complimented with relevant and practical experience and knowledge of practicing engineers, is rich and diverse and like no other program in North America.

We welcome the following guest lecturers to the UBC Pipeline Design course:

Nicole Koosmann, VP, Engineering, Integrity & Technical Compliance

Lecture Topic: BCOCG Case Studies
Ken Paulson, Executive Vice President, Chief Operating Officer

Lecture Topic: Pipeline Regulations and Codes

James O’Hanley, VP, Permitting and Authorizations

Lecture Topic: Stakeholders and Communications

G.R. (Gary) Johnson, Assets & Improvements Manager

Lecture Topic: Technical Design Project and Capital Planning

G. Art Kanzaki, Project Director – Major Gas line Projects

Lecture Topic: Case Study: Fraser River Crossing HDD and Pipeline Construction Strategy
Jason Simmonds, Indigenous Relations Manager
Lecture Topic: Indigenous Relations

William (Bill) Partington, President
Lecture Topic: Life Cycle of a Pipeline: A Contractor’s Perspective

Ron Dunn, Advisor to the CEO of Shawcor
Lecture Topic: Pipeline Coatings

Tim Doupe, Pipeline Project Manager
Lecture Topic: TC Energy Pipeline Design & Construction Overview
Yvanna Ireland, Director of Pipeline Integrity

Lecture Topic: HDD North Thompson River Crossing

Karl Link, Professional Engineer and Project Management Professional

Lecture Topic: HDD North Thompson River Crossing