

# Engineering Common Curriculum Project Update

**Update: Fall 2019**

## Project Overview

In Spring 2019, BCcampus was asked by the Ministry of Advanced Education, Skills and Training to assist with a project concerning B.C. institutions delivering engineering programs who want to move to a common first-year curriculum. The project was initiated by the Engineering Articulation Committee and led by Brian Dick of Vancouver Island University. The work conducted to determine the feasibility of a common first-year curriculum was initially funded through a grant from the B.C. Council on Admissions and Transfer.

## Project Objectives

- Improve access and opportunity for success in engineering education for B.C.'s diverse post-secondary learners
- Create opportunities for regional community engagement and partnerships within the engineering sector, encouraging graduates to return to employment in smaller, non-urban communities
- Enhance the student learning environment and improve retention and achievement in engineering across the province through maximizing use of student supports, class size, and regional diversity
- Enhance quality reporting for accreditation processes
- Improve overall efficiencies within the post-secondary system

## Next Steps

Convene articulation committee members to determine next steps, including creating common learning resources such as open textbooks and assignment banks.

Common course Shells for ENG I/II and PHYS I/II/III submitted to receiving institutions (UBC, UVic) for feedback. Final course shells will be uploaded and shared via the BCCAT Moodle site.

## Completed Tasks

- May 2019: Brian Dick (VIU) and Brian Case (BCcampus Project Manager) presented funding availability to engineering articulation meeting in Kelowna.
- Application form made available May 24, 2019
- Responses were requested by mid-June, but flexibility was built in to allow for summer break. Proposals were received until Sept 13, 2019

Proposals were reviewed by a steering committee made up of articulation group members:

- Dennis Lightfoot (NIC)
- Winton Li (CapU)
- Yang Cao (UBC)
- Tim Ayers (Camosun)
- Brian Dick (VIU)

Nine funding agreements were created with the following institutions:

- Capilano University
- Thompson Rivers University
- College of New Caledonia
- Langara College
- Northern Lights College
- Coast Mountain College
- North Island College
- Vancouver Island University