

# Civil Engineering Technology



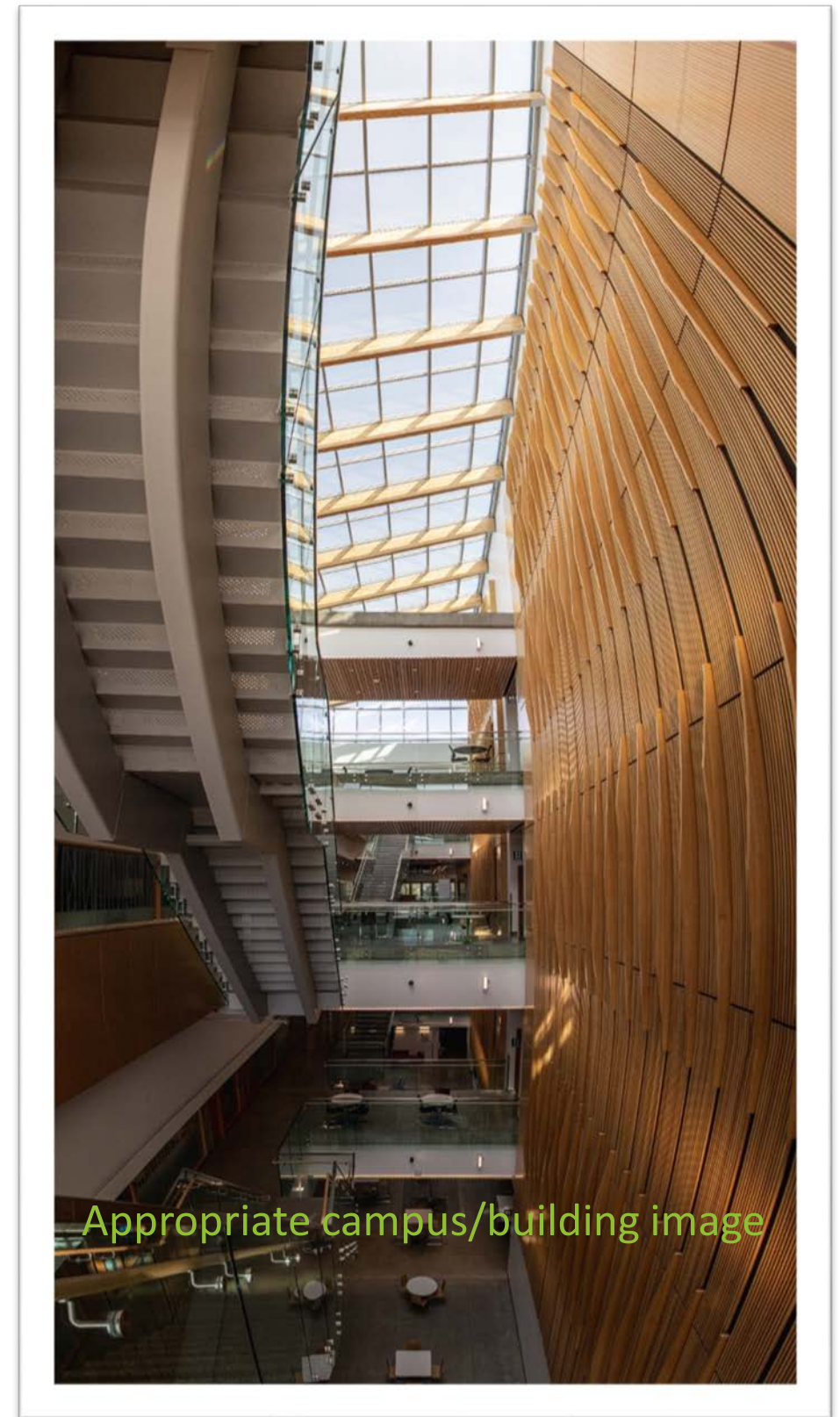


## Territorial Acknowledgement

Camosun College is located in beautiful Victoria, British Columbia with campuses on the Traditional Territories of the Lekwungen and W̱SÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here.

# Camosun College

- Camosun College is B.C.'s largest public college
- 19,000+ students
- 1,200+ faculty and staff
- Programs range from arts and business to tech and trades to university transfer and continuing education
- Credentials include dual credits, certificates, diplomas, degrees, post-degree diplomas



Appropriate campus/building image

# COVID-19

## The health and wellbeing of students and staff remains the priority of Camosun College.

The college's COVID-19 Response Coordination Team is monitoring the situation and ensuring measures are in place to keep the college community safe.

We're ready for you. The college is planning for a mix in the delivery of courses following guidelines from the Provincial Health Officer, WorkSafe BC and the B.C. Government.

COVID-19 information and frequent updates are available at:  
[Camosun.ca/COVID19](https://camosun.ca/COVID19)



Appropriate campus/building image

We design our programs with your future in mind

You will find flexible learning options.

We will equip you with the practical skills most in demand.

You can earn a certificate in eight months, a diploma in two years, and a bridge to UBC or Uvic in three years.

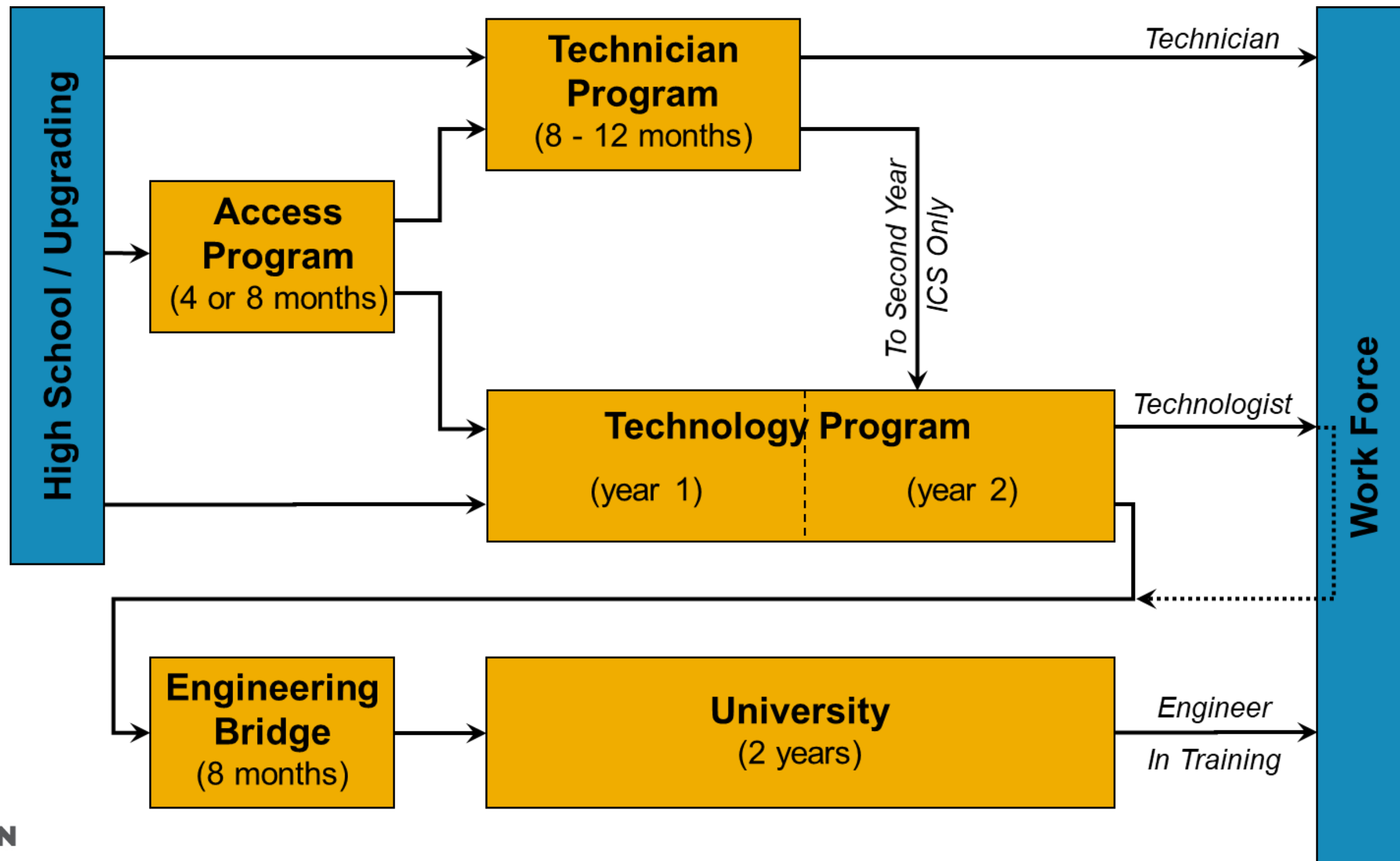
# Civil Engineering

## Civil Engineering Department

### Programs Offered:

- ▶ Civil Engineering Access
- ▶ Civil Engineering Technology
- ▶ Civil Engineering Bridge to UBC (Vancouver or Kelowna); bridge to UVic in development

# Education Options – Overview



# Technology Access

**Admission Requirements:** A minimum grade of;

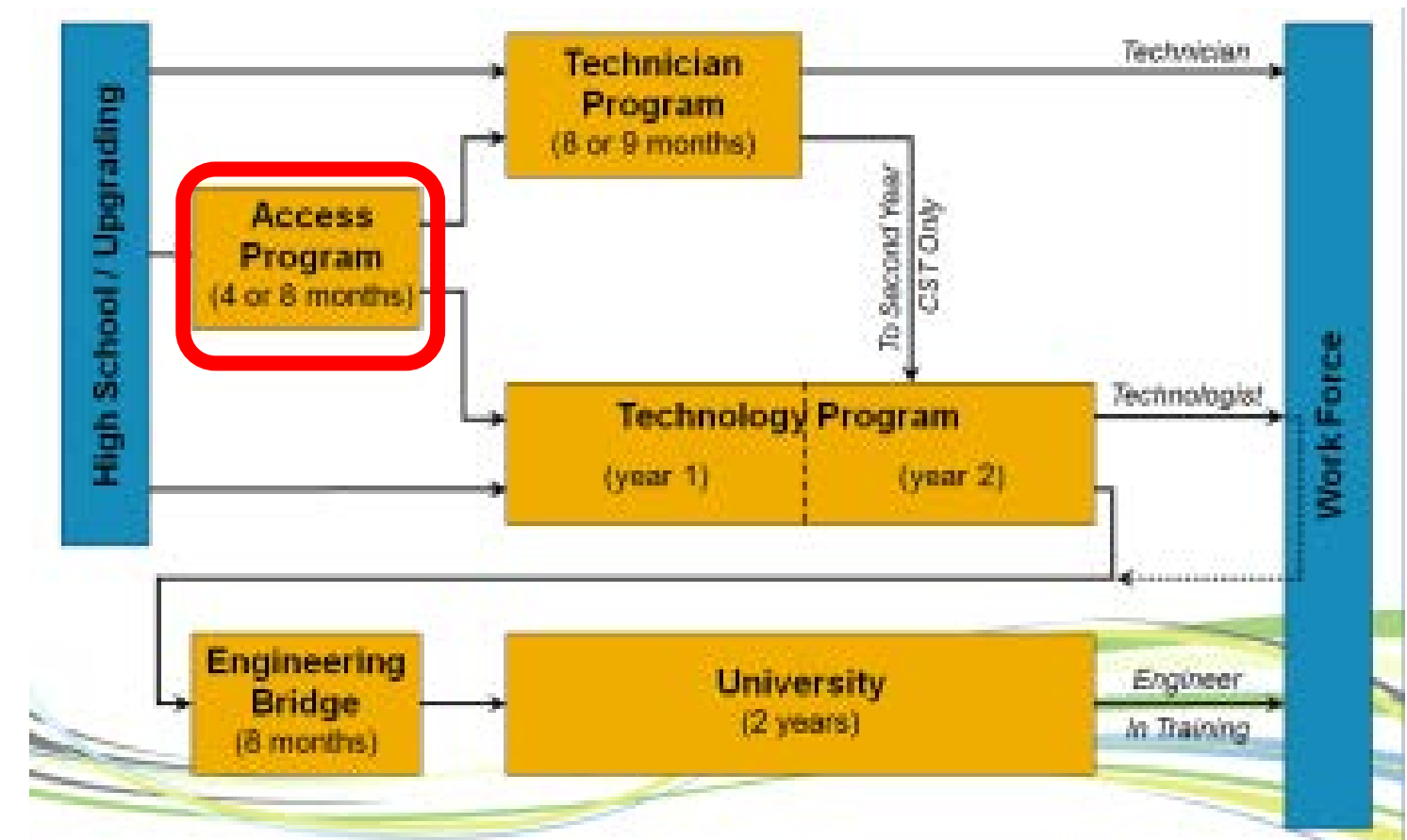
- ▶ B in Math 10, and
- ▶ C in English

**Outcome:**

- ▶ Certificate in Technology Access
- ▶ Guaranteed acceptance into corresponding Technology Program

**Engineering Technology Access (Civil, Mechanical, Electronics)**

- ▶ Duration: 8 months
- ▶ Note: Pre-requisite courses are also at Lansdowne





# Technology Programs

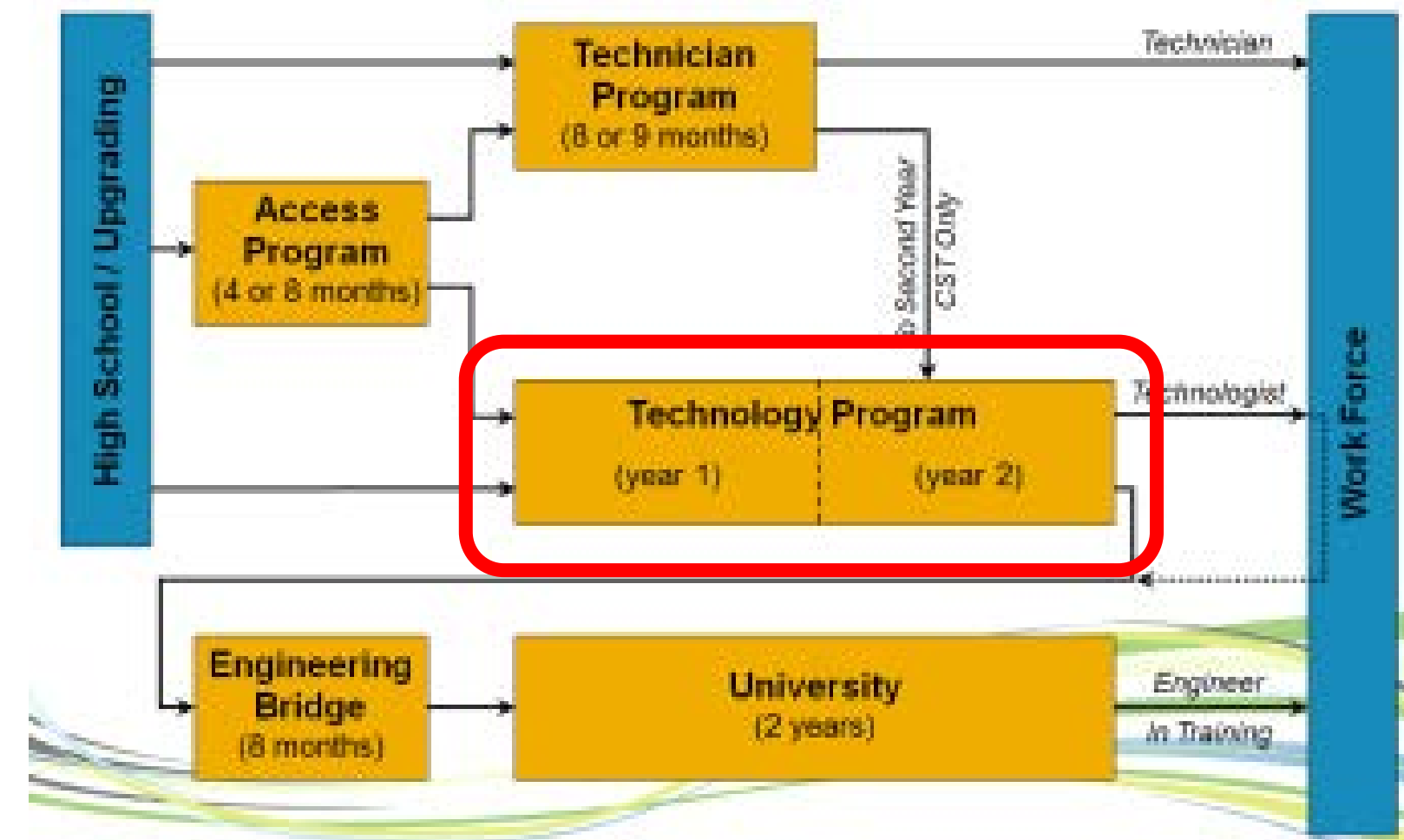
## Duration:

- ▶ 2- 2 1/2 years
- ▶ 3 years with work terms

## Outcome:

- ▶ Job Ready
- ▶ Technology Diploma
- ▶ Eligible for Bridge

## Our Programs



## Programs Available

Civil Engineering Technology

Electrical Engineering Technology – Marine & Industrial

Electronics & Computer Engineering Technology – Renewable Energy

Information and Computer Systems

Interactive Media Developer

Mechanical Engineering Technology

# Admission Requirements

## Civil Engineering Technology

- *C in English 12, English First Peoples 12*
- *C+ in Pre-Calculus 12 or Principles of Math 12 (or a C in both)  
C in Physics 12*
- *C in Chemistry 11*
- *Or successful completion of related Access program*

# Engineering Bridge

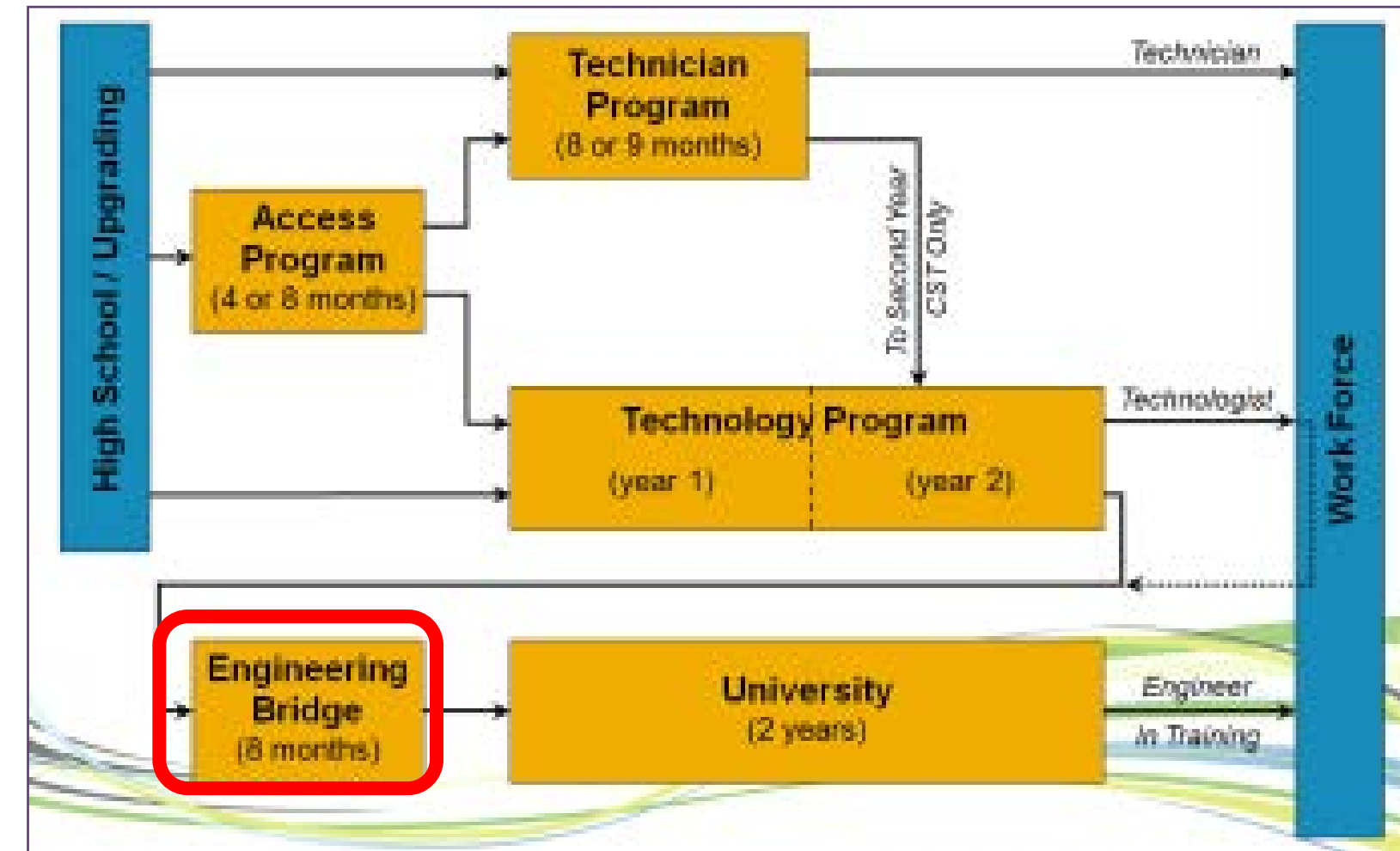
## Admission Requirements:

- ▶ Successful completion of a related technology diploma
- ▶ An average of **B** or higher (GPA of 5 out of 9 points)
- ▶ Acceptance is academically based

Duration: 8 months

## Outcome:

- ▶ Transfer to 3<sup>rd</sup> year of Engineering at UBC or UBC Okanagan
- ▶ Advanced Diploma in Engineering Bridge



## Programs Available

Civil Engineering

Electrical and Computer Engineering

Mechanical Engineering

Our Programs

# Civil Engineering

## What is Civil Engineering?

*The planning, design, construction and maintenance of works such as: roads, highways, sewer mains, water mains, bridges, buildings, sewage and water treatment facilities, and storm and drainage works.*



# Civil Engineering

## ▶ Structural/Earthquake Engineering

### ▶ Buildings

- ▶ Timber design
- ▶ Steel design
- ▶ Concrete design

### ▶ Bridges

### ▶ Retaining walls



What is Civil Engineering?

# Civil Engineering

- ▶ **Municipal Engineering**
  - ▶ **New Subdivisions**
    - ▶ Residential
    - ▶ Commercial / Municipal
  - ▶ **Redevelopment**
    - ▶ Urban renewal
    - ▶ Site Redevelopment
  - ▶ **Infrastructure Rehabilitation**
    - ▶ Infrastructure Management
    - ▶ Repair and Replacement



# Civil Engineering

## ▶ Environmental Engineering and Sustainability

### ▶ Minimizing impact of development

- ▶ Storm water runoff/flood control
- ▶ Contaminants

### ▶ Drinking water

- ▶ Storage/distribution
- ▶ Treatment

### ▶ Waste water

- ▶ Collection/treatment

### ▶ Solid waste (garbage)

- ▶ Collection/disposal



# Civil Engineering

- ▶ **Surveying and GIS**
  - ▶ Locating existing topographic features and structures
  - ▶ Uploading data and creating mapping
  - ▶ Layout for new construction





# Civil Engineering

## ▶ Career Choices

### ▶ Government

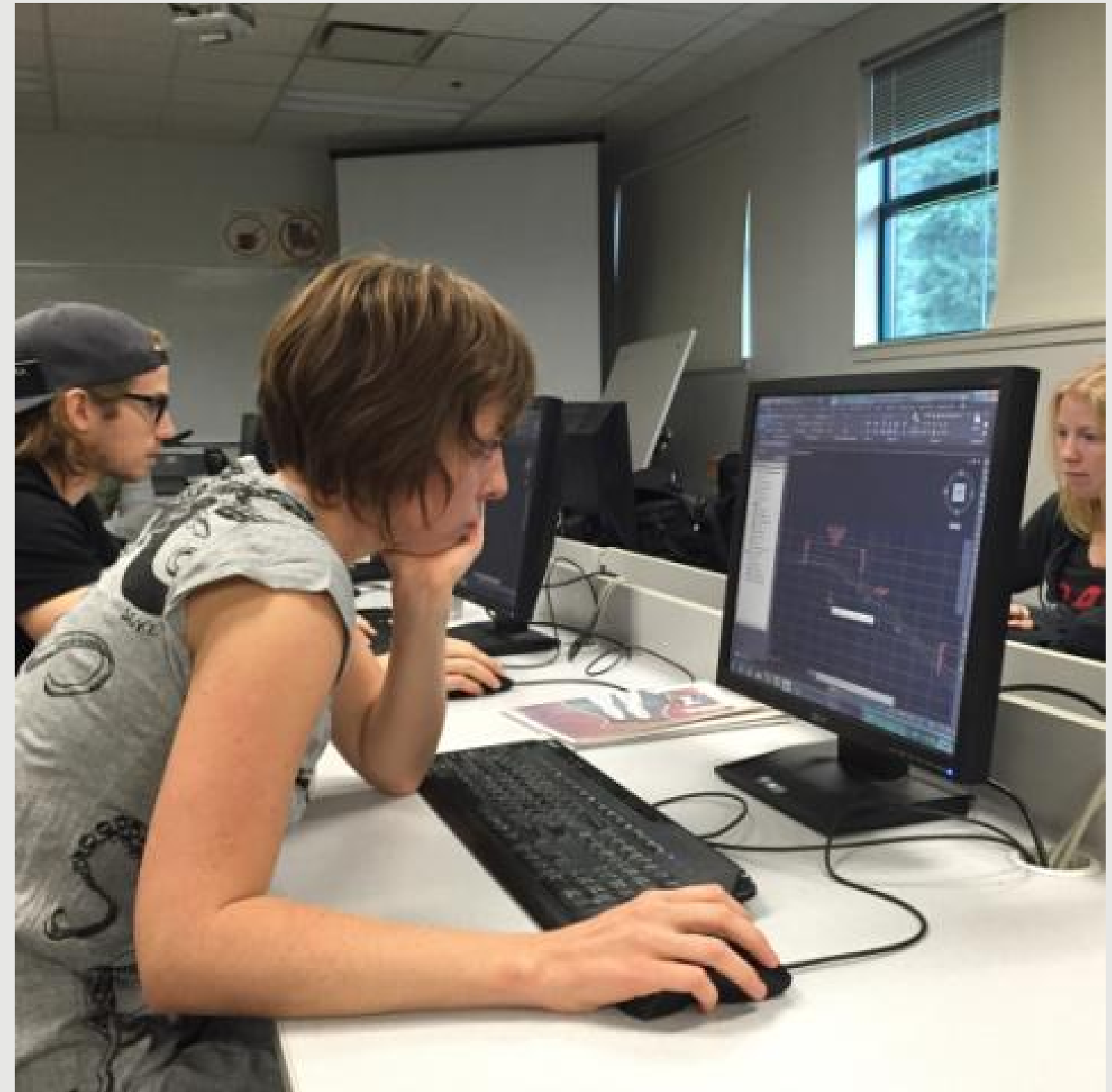
- ▶ Municipal
- ▶ Provincial
- ▶ Federal
- ▶ Crown corporations

### ▶ Construction

- ▶ Project management
- ▶ Site supervision
- ▶ Estimating

### ▶ Consulting companies

- ▶ Design



# Program Name(s)

For a complete program list go to:

[camosun.ca/learn/school/business/programs.html](https://camosun.ca/learn/school/business/programs.html)

*Click on:*

1. 'What You'll Learn' for a list of required courses
2. 'What it Costs' to view tuition fees
3. 'Admission Requirements' to see what courses or credentials are required to enter the program.

# Student Services at Camosun



**Admissions & Recruitment**  
The right start at Camosun



**The Writing Centres**  
How can we help?



**Centre for Accessible Learning**  
Supporting your learning experience



**Academic Advising**  
Guiding you on your educational journey



**Academic Upgrading**  
Whatever your need, we have an option for you



**Indigenous Student Support**  
Find your way and feel like you belong – with our help



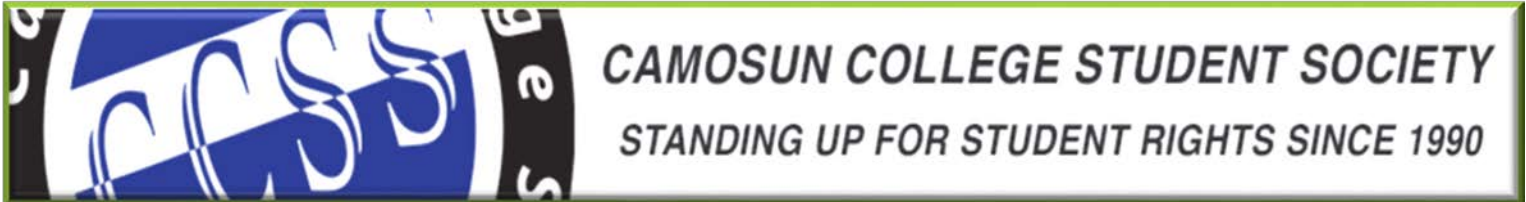
**Fitness & Recreation**  
Make time for your well-being



**Financial Aid & Awards**  
Funding your education



**Counselling Centre**  
Supporting you through life's challenges



# Thank you

## FOR MORE INFORMATION:

Civil Engineering: [civil@camosun.ca](mailto:civil@camosun.ca)

Computer Science: [schaerer@camosun.ca](mailto:schaerer@camosun.ca)

Electronics and Computer Engineering: [duncana@camosun.ca](mailto:duncana@camosun.ca)

Mechanical Engineering: [lyle@camosun.ca](mailto:lyle@camosun.ca)

