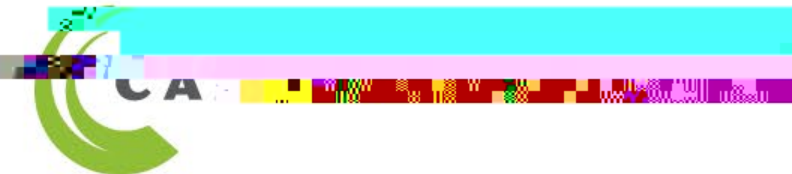


# Mechanical Engineering Technology



# Territorial Acknowledgement

Camosun College is located in beautiful  
Victoria, British Columbia with campuses on  
the Traditional Territories of the Lekwungen  
and Wn̓ 6 É 1 ( ́ S H R S O H V : H D I  
their welcome and graciousness to the  
V W X G H Q W V Z K R V H H N N Q



# Camosun College

- Largest public college in the province
- 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, postdegree diplomas



# 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

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a mix in the delivery of courses following guidelines from the Provincial Health Officer,



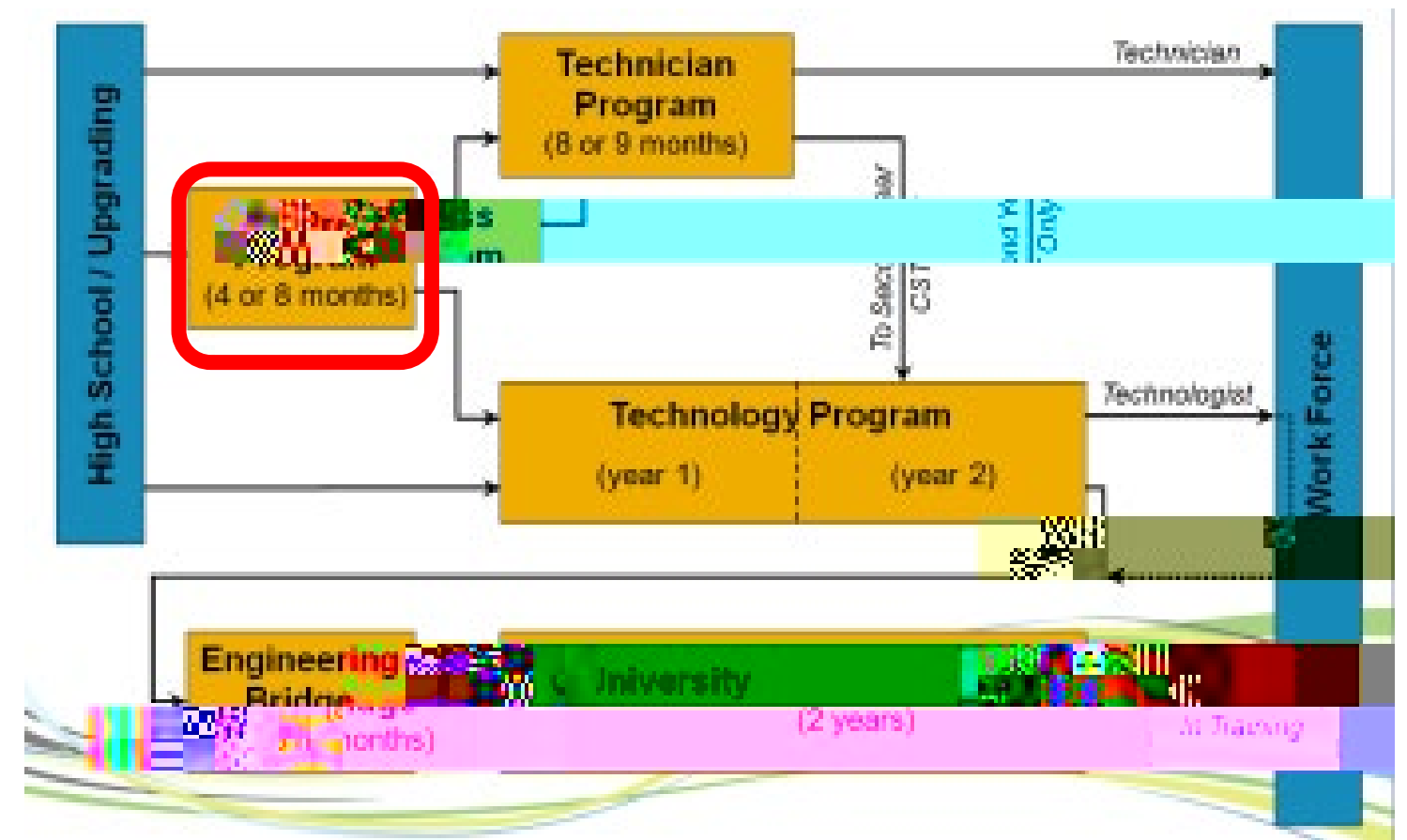
# Mechanical Engineering Technology Department

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# Education Options – Overview

# Technology Access



## Admission Requirements: minimum grade of;

- B in Math10, and
- C in English

## Outcome:

- Certificate in Technology Access
- \* XDUDQWHHG DFFHSWDQFH LQWR FRUHVSRQGLQJ 7HFKQROR

## Mechanical Engineering Technology Access

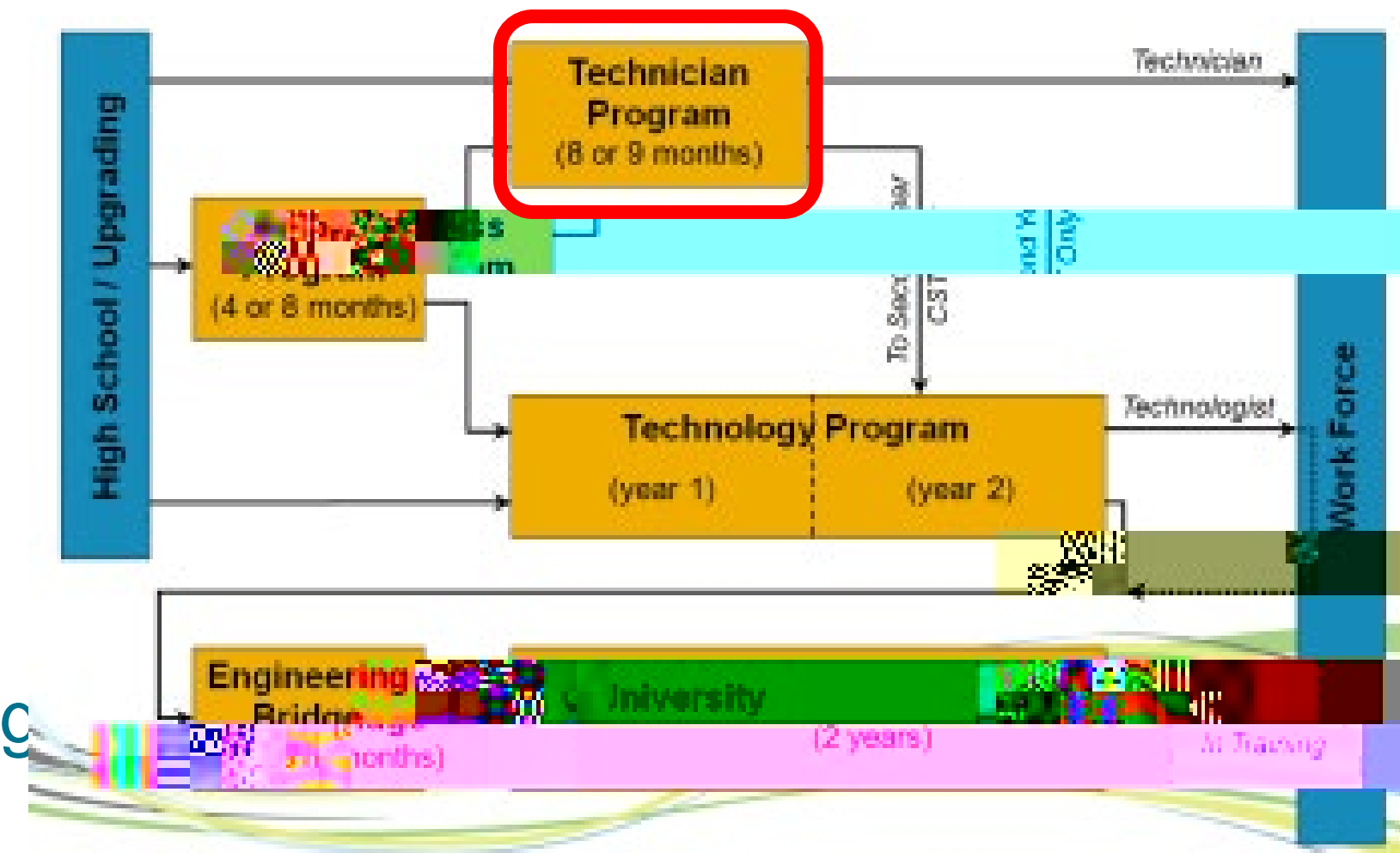
- Duration: 8 months
- Note: Prerequisite courses are also at Lansdowne

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- Duration: 4 months
- Note: Prerequisite courses are also at Lansdowne

# Engineering Graphics Technician Program

- Admission Requirements:
  - Foundations of Math 11 and
  - English 12 or TPC 12 or
  - Successful completion of related access program
- Duration: 8-12 months
- Outcome:
  - Job Ready
  - Technician Certificate
  - ICS and IMD Technician programs transition into their respective Technology program





## Duration:

- 2- 21/2 years
- 3 years with work terms

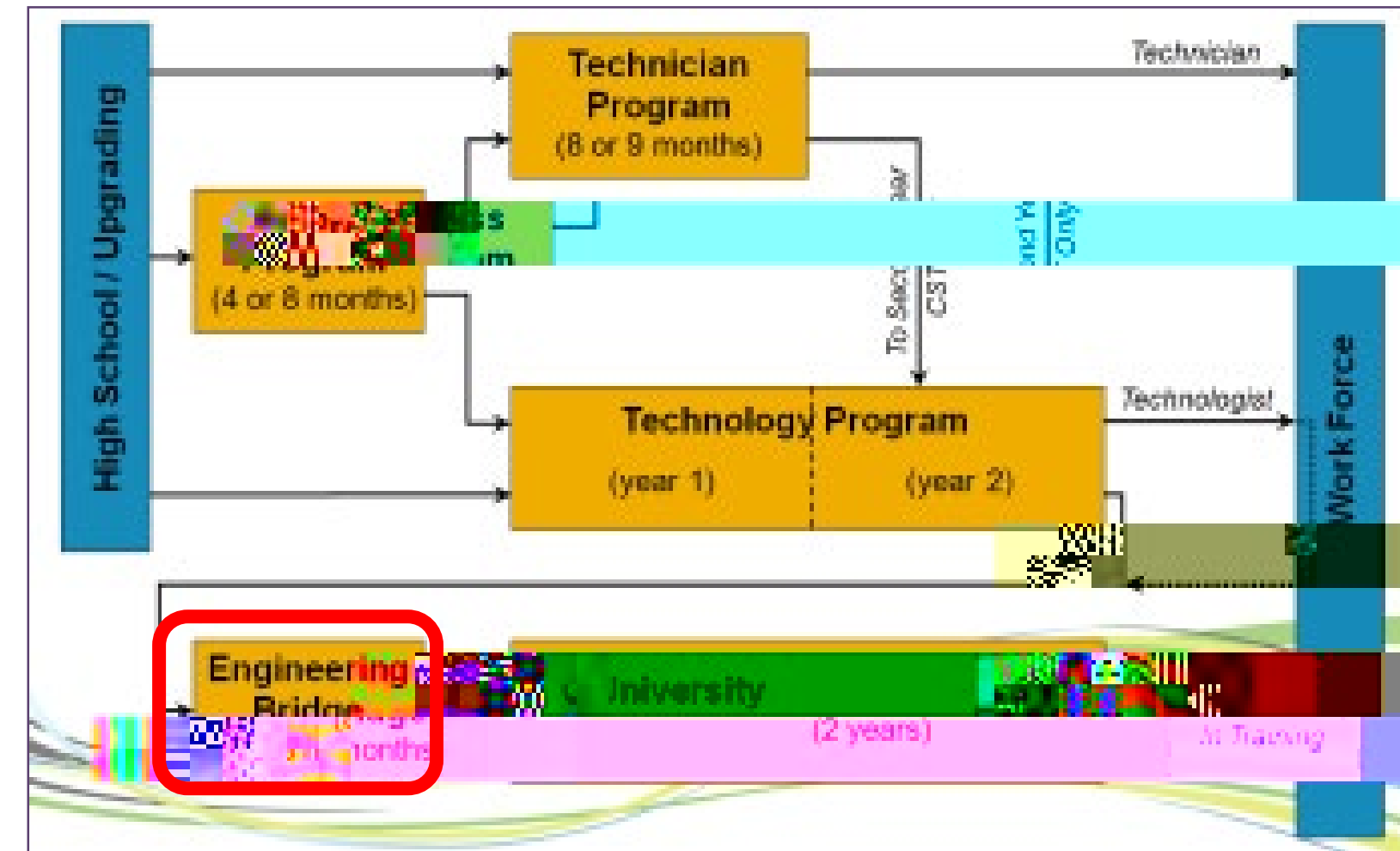


# Engineering Bridge

## Admission Requirements:

- Successful completion of a related technology diploma
- An average of B or higher  
\* 3 \$ (out of 9 points)
- Acceptance is academically based

## Duration



## Programs Available

Civil Engineering

Electrical and Computer Engineering

Mechanical Engineering

# Mechanical Engineering

- **What is Mechanical Engineering Technology**

“...a discipline of engineering that applies the principles of engineering, physics and materials science for the design, analysis, manufacturing, and maintenance of

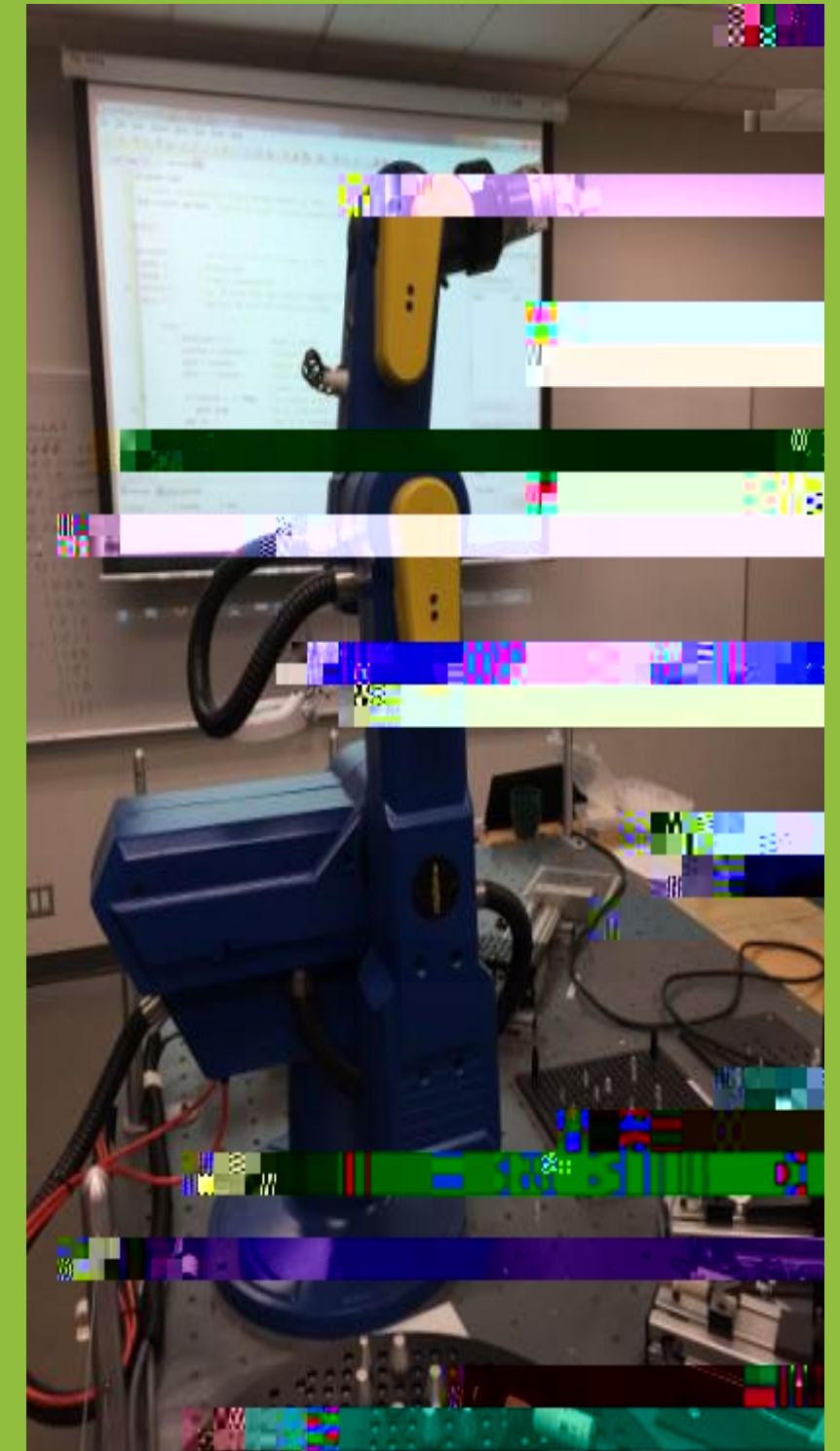
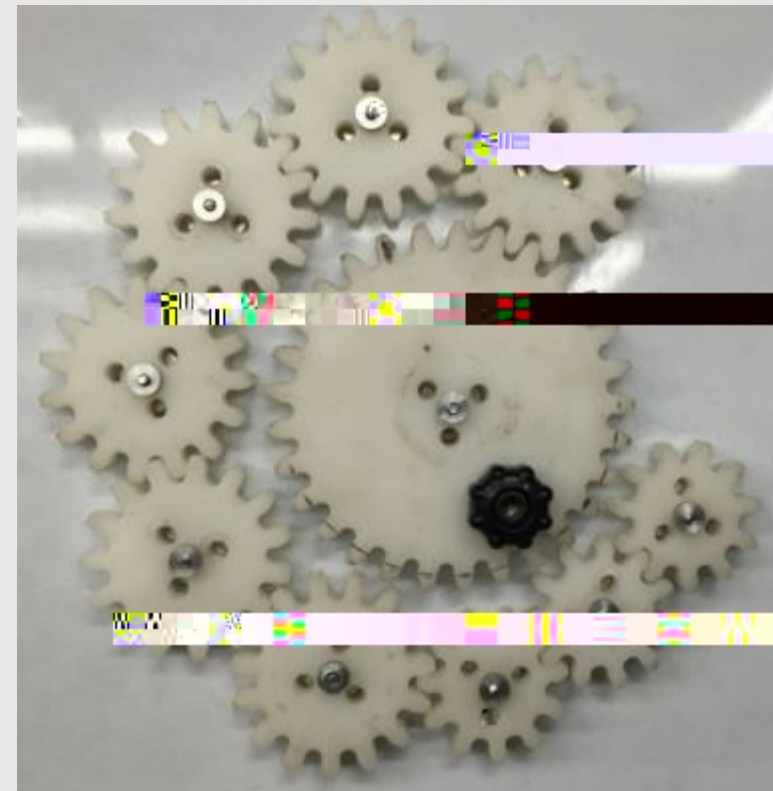
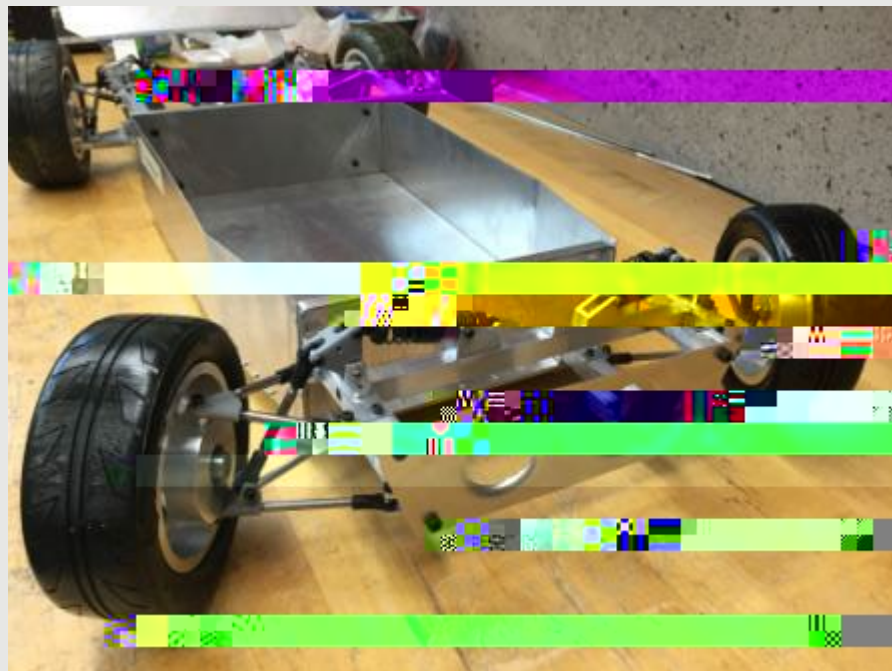
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power for the design, production, and operation of machines and tools...”

:LNHSHGLD RUJ

- Machinery
- Fabrication
- Manufacturing
- Robotics
- Automotive
- Aerodynamics

# Mechanical Engineering

- There are 6 main disciplines of Mechanical Engineering:
  - Materials
  - Mechanics
  - Thermodynamics
  - Fluids
  - Controls
  - Documentation





# Mechanical Engineering

- Fluids how liquids and gasses interact with things
  - 
  - 2 courses
- Controls how to control things
  - 2 courses
  - 2 courses
  -
- Documentation instructions on how to make things
  - 
  - 
  -

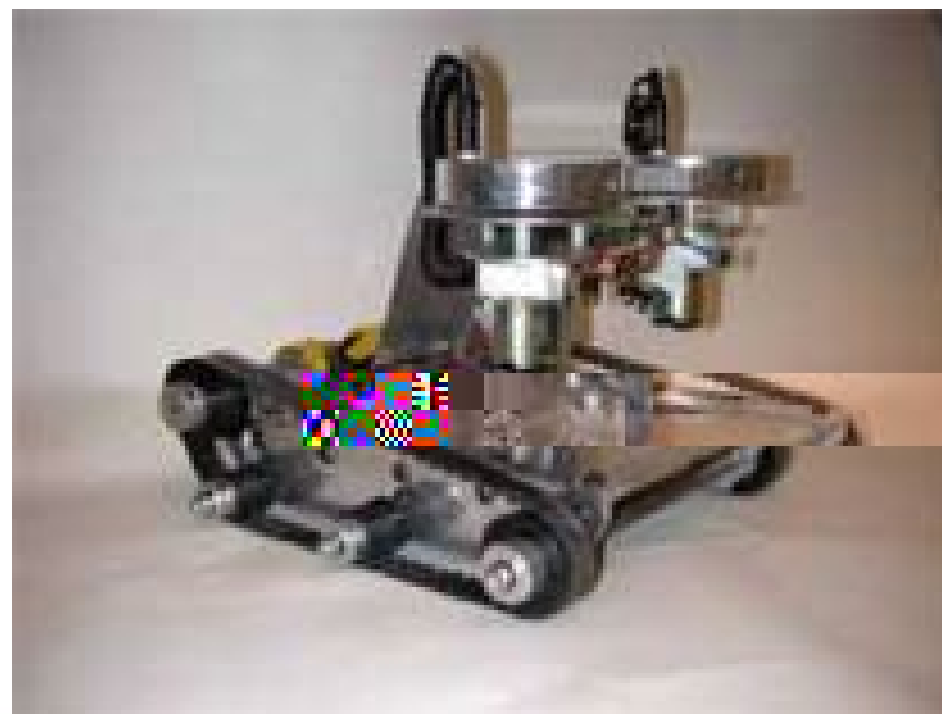


# Mechanical Engineering

## Program Choices:

- - 
  -
-

# Mechanical Engineering





# Mechanical Engineering



Robotic Platform



Electric Skate Board



# Mechanical Engineering

## Career Choices

- Mechanical Draftsperson Prepare conceptual, preliminary and final designs under the guidance of the project engineer
- Mechanical Technologist 0 H F K D Q L F D O G H V L J Q S U R W R W \ S L Q J 6  
debug
- Engineering Technologist detailed design, equipment specification and procurement, vendor management, fabrication and assembly supervision, field commissioning, troubleshooting and customer liaison



# Mechanical Engineering

- (QJLQHHULQJ \*UDSKLFV 7HFKQLFLDQ

The Engineering Graphics Technician (EGT) program is ideal for those with an interest in engineering/architectural visualization, an aptitude for computer aided design, or have a foreign credential in engineering /architecture and are looking to enter the Canadian job market.



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# Mechanical Engineering

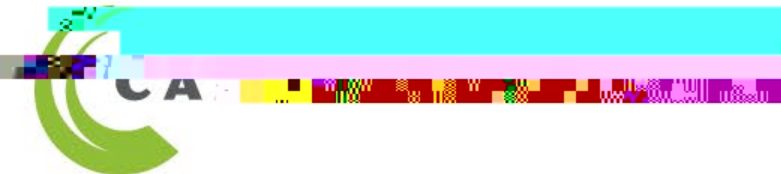
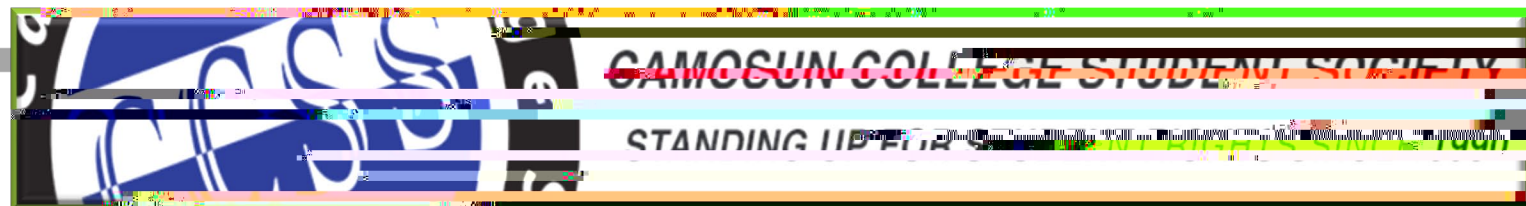
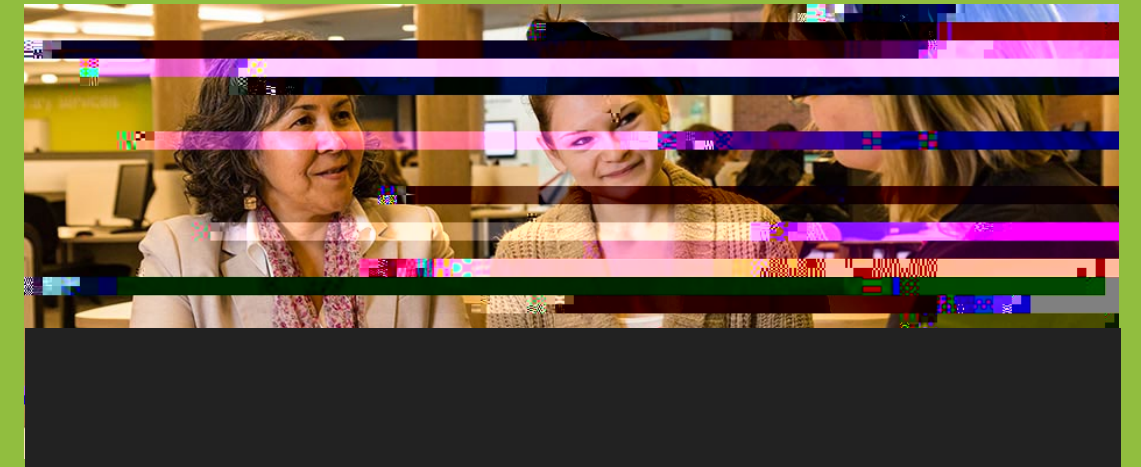
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- Career Opportunities anywhere locally and around the world
  - Local high tech companies
  - Large companies





# Student Services at Camosun



FOR MORE INFORMATION

MechanicalEngineering [O\OH#FDPRVXQ FD](#)

