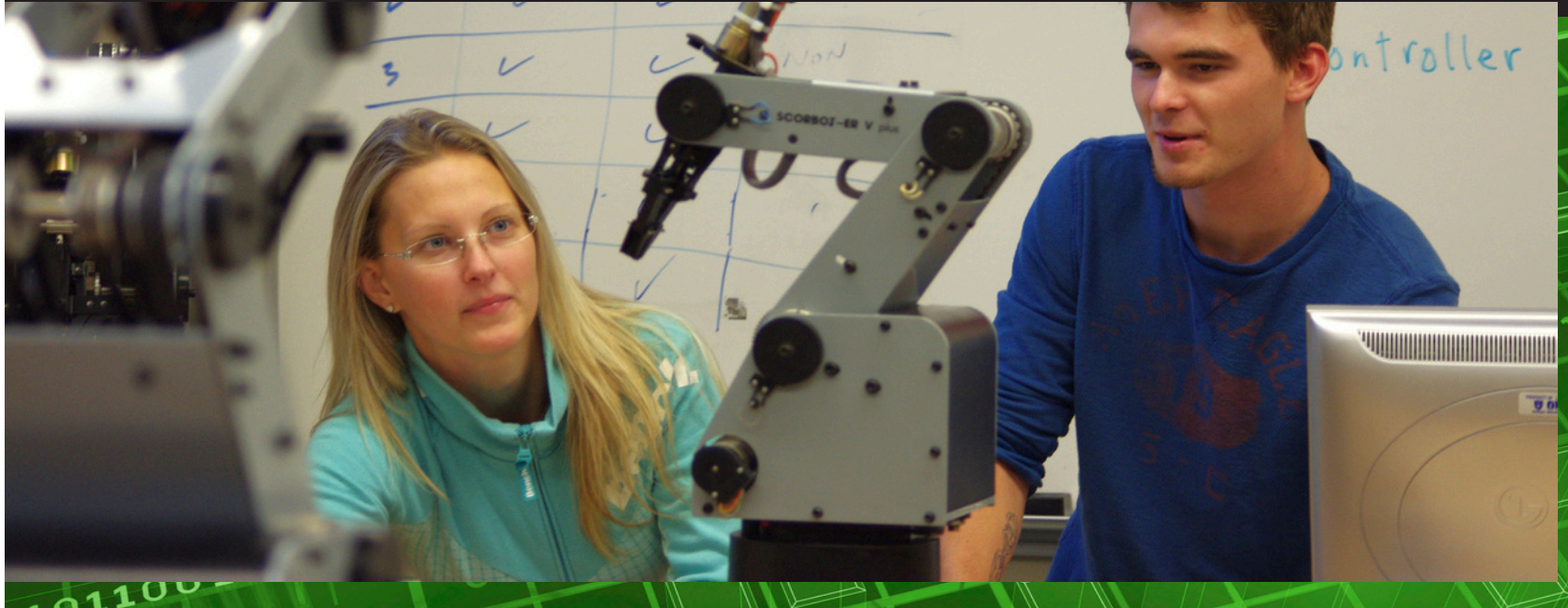


# MECHANICAL ENGINEERING TECHNOLOGY

Diploma



## The Program

The mechanical engineering technologist is involved in the design, manufacture, testing, installation, operation and maintenance of a wide variety of machines and mechanical equipment. Students will gain a working knowledge in the fundamentals of materials, structures, fluids, power, machine design, manufacturing, thermodynamics, HVAC, quality, and instrumentation and control. The use of current computer software is emphasized throughout the program.

Graduates may be employed by a very broad range of industrial organizations. Opportunities include product design, specification, installation and maintenance of equipment, cost estimating, technical sales, quality management, inspection, production planning, automation, CAD/CAM, robotics, and research and development. Mechanical engineering technologists are in demand due to the tremendous diversity of the discipline.

**National Accreditation:** The Mechanical Engineering Technology program is nationally accredited by the Canadian Technology Accreditation Board (CTAB) with recognized major competency areas of Mechanical Machine Design, Tool and Fixture Design, Automation, Production Management, Quality Assurance, HVAC, and Applied Research. While attending college, students may register with Applied Science Technologists and Technicians of British Columbia (ASTTBC). Graduates are eligible for registration as an Applied Science Technologist Trainee (AScT Trainee) after two years of related work experience under the supervision of an accredited AScT professional. The title "Applied Science Technologist (AScT)" and AScT (Trainee) are registered titles, protected under the Professional Governance Act of BC, as being recognized within the Regulated Practise of Applied Science Technology.

## What are the Benefits to Employers?

- An opportunity to evaluate employees without an obligation to permanent employment
- A proven cost-effective method of meeting human resource needs
- Co-op students are available **May - August, September - December**
- Graduates are typically available either in **January or May** depending on their schedule
- Access to a pool of motivated, temporary employees for special projects, peak periods, vacation relief, and coverage without costly advertising

## How do you hire Okanagan College Co-op Students?

For more information email [careershub@okanagan.bc.ca](mailto:careershub@okanagan.bc.ca)

Co-op department staff are registered with Cooperative Education and Work Integrated Learning (CEWIL)



[www.okanagancollege.ca/careers-hub/co-op](http://www.okanagancollege.ca/careers-hub/co-op)

# MECHANICAL ENGINEERING TECHNOLOGY

Diploma

## Recommended Co-op Schedule for Mechanical Engineering Technology

September - December	January – April	May - August
Academic Term 1	Academic Term 2	Work Term 1
Work Term 2	Academic Term 3	Work Term 3
Academic Term 4	December Graduation	

Employers are encouraged to recruit up to four months prior to work terms and/or graduation.

The Diploma in Mechanical Engineering Technology is a four-semester program.

### Semester 1

Engineering Graphics I  
Statics  
Mechanical Fabrication  
Mathematics for Mechanical Eng. Tech. I

Materials Technology  
Applications of Engineering Principles  
Technical Writing and Communications I

### Semester 2

Engineering Graphics II  
Fluid Mechanics  
Manufacturing Processes  
Mathematics for Mechanical Eng. Tech. II

Dynamics  
Strength of Materials  
Manufacturing Applications  
Welding

### Semester 3

MachineDesign  
Thermodynamics  
Engineering Graphics III  
Electronic Technology I

Technology Management & Quality  
Hydraulics and Pneumatics  
Automation  
Engineering Graphics IV

### Semester 4

Project  
Operations Management  
Computer Aided Manufacturing  
Electronic Technology II

Technical Writing and Communications for Mech. Eng.  
Applied Thermodynamics and HVAC  
Robotics and CIM

