



Graduate studies at UBC's Department of Mechanical Engineering

Why Mechanical Engineering at UBC?

STRONG RESEARCH

UBC Mechanical Engineering is one of the most active research departments in Canada, with 35 research faculty, multiple Canada Research Chairs, and over \$11 million in annual research funding. Our faculty are recognized nationally and internationally as leaders in their fields: many hold prestigious Fellowships and are affiliated with distinguished research institutes.

WORLD-CLASS EDUCATION

UBC is consistently ranked among the top five per cent of universities in the world, and has been recognized for global impact in research, outreach and stewardship. Our faculty have received numerous awards and distinctions for their scholarly activity, professional activities, service, and teaching. Our beautiful campus is located in temperate Vancouver, British Columbia which is constantly ranked as one of the most livable cities in the world.

COMPETITIVE FUNDING

We are committed to providing funding to MSc and PhD students in the form of Research Assistantships, scholarships, and top-ups to external awards. Most MSc and PhD students receive competitive funding packages. MEng and MEL students may be eligible for program-specific scholarships and industry-sponsored awards. The department also offers a number of Teaching Assistant positions that are open to all graduate students.

Options to fit your goals

Mechanical Engineering offers research-based MSc and PhD degrees, in a range of research areas. We also offer industry-focused professional MEng and MEL programs for those who want to further their studies without pursuing research.

RESEARCH AREAS

APPLIED SOLID MECHANICS
BIOMECHANICS & BIOMEDICAL DEVICES
COMPUTATIONAL ENGINEERING
ENERGY & ENVIRONMENT
FLUID MECHANICS
MANUFACTURING AUTOMATION & ROBOTICS
MECHATRONICS & INSTRUMENTATION
NAVAL ARCHITECTURE & MARINE ENGINEERING

PROFESSIONAL PROGRAMS

NAVAL ARCHITECTURE &
MARINE ENGINEERING (NAME)
MECHATRONICS DESIGN
CLEAN ENERGY ENGINEERING
MECHANICAL ENGINEERING



Our Programs **We offer four graduate programs in Mechanical Engineering:**

	MEng MASTER OF ENGINEERING	MEL MASTER OF ENGINEERING LEADERSHIP	MASc MASTER OF APPLIED SCIENCE	PhD DOCTOR OF PHILOSOPHY
PROGRAM TYPE	Professional	Professional	Research	Research
DURATION	12 months	12 months	24 months	48 months
SPECIALIZATION OPTIONS	<p>Deepen your expertise with our course-based MEng programs:</p> <ul style="list-style-type: none"> - Mechanical Engineering - Mechatronics Design - Naval Architecture & Marine Engineering (NAME) 	<p>Expand your professional horizons by combining technical + business courses in:</p> <ul style="list-style-type: none"> - Naval Architecture & Marine Engineering (NAME) - Clean Energy Engineering (CEEN) <p>Visit apscpp.ubc.ca/programs/mel for more information.</p>	<p>Prepare for academia or industry with our research-based MASc and PhD programs, offering specializations in:</p> <ul style="list-style-type: none"> - Applied Solid Mechanics - Biomechanics & Biomedical Devices - Computational Engineering - Energy & Environment - Fluid Mechanics - Manufacturing Automation & Robotics - Mechatronics & Instrumentation - Naval Architecture & Marine Engineering 	
PROGRAM COMPONENTS	<ul style="list-style-type: none"> - Coursework - Design Project - Co-op (NAME only) 	<ul style="list-style-type: none"> - Coursework - Business, technical and leadership training - Experiential Learning Project 	<ul style="list-style-type: none"> - Coursework - Graduate Seminar - Thesis 	<ul style="list-style-type: none"> - Coursework - Graduate Seminar - Dissertation
CREDITS	30 credits (33 for NAME)	30 credits	30 credits	24 credits

Admission Requirements

MEng/MEL/MASc

Students applying to a master's program from a domestic school must hold the academic equivalent of a four-year bachelor's degree from UBC with one of the following:

- A minimum overall average of B+ (76% at UBC) in third- and fourth-year courses; or
- At least 12 credits of third- or fourth-year courses in the A-grade range (80% or higher at UBC) in the field of study.

Note: MEL applicants also require a minimum of three years of industry experience.

PhD

Students applying for the Doctor of Philosophy (PhD) program from a domestic school must have:

- A master's degree (or equivalent) from an approved institution; and
- Clear evidence of research ability or potential.

In exceptional cases, students who meet the requirements may be granted PhD Direct Entry or Fast Track. Please check out our website for more information.

For international applicant requirements, visit the Graduate & Postdoctoral Studies website at grad.ubc.ca.

How to Apply

Start your application now. Visit mech.ubc.ca/graduate/applications for information on application instructions, deadlines, and requirements.

"UBC Mechanical Engineering is not just another department; it's a tight-knit community of individuals who are passionate about their work... By doing my post-graduate studies here in UBC Mechanical Engineering, I believe that I have been provided with all of the resources and the latitude needed to succeed as a student and researcher."

MATTHEW PAN, PHD GRADUATE

Learn More

MECH.UBC.CA/GRADUATE

STUDENT SERVICES OFFICE

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