

MASTER OF ENGINEERING

COURSE-BASED MASTER'S PROGRAM FOR ENGINEERS IN MECHANICAL ENGINEERING AND IN ENGINEERING MANAGEMENT

Our Master of Engineering program is designed to give engineers a competitive edge. By blending technical skills with managerial expertise, we prepare our graduates to excel in diverse roles—from leading technical teams to shaping corporate strategy. Join us to elevate your career and become a leader in the engineering industry!

ELEVATE YOUR ENGINEERING CAREER

- Designed for engineers at **any career stage**
- Enhance technical, managerial, and leadership skills
- Learn from **top academics** in internationally renowned facilities
- Participate in practical **Alberta-focused projects**

STUDENT SUPPORT

- Join thriving **student clubs**: academic societies, cultural and international associations
- **Get active and stay fit**: Wilson Climbing Centre, Fitness and Aquatics Centre
- Get **hands-on experience**: Elko Engineering Garage
- **Prioritize wellness**: mental health workshops, peer support groups



Student life around the University of Alberta

CAREER DEVELOPMENT

- **Seminar series**: learn from successful alumni who transitioned from our programs to rewarding careers in Alberta
- **Career resources**: job postings, workshops, networking events, career fairs
- **Faculty-led presentations**: engage in industry-focused career development sessions led by our experienced faculty



View of Walterdale Bridge, Edmonton

EDMONTON: HOME OF THE UNIVERSITY OF ALBERTA

- Edmonton is a burgeoning **tech hub**, offering exciting opportunities in various industries
- Known as the "**City of Festivals**", Edmonton hosts year-round events, including the renowned Edmonton Folk Music Festival and the Edmonton International Fringe Festival, the largest of its kind in North America
- Explore over **160 parks**, the North Saskatchewan **River Valley**, and the nearby Rocky Mountains for year-round outdoor activities
- Edmonton enjoys over **2,300 hours** of sunshine annually, making it one of **Canada's sunniest and greenest cities**

COURSE REQUIREMENTS

- Minimum **eight graduate courses**
- Directed research project
- Non-credit courses in safety, ethics, and professional development

4 CORE COURSES + 4 ELECTIVE
COURSES + CAPSTONE PROJECT

CORE COURSES

1. **ENG M 670** Programming, Statistics and Data Management
2. **ENG M 680** Introduction to Machine Learning and Artificial Intelligence
3. **MEC E 788** Advanced Solid Modelling for Design
4. **ENGG 700** Technical Communications

ELECTIVE COURSES

DEGREE IN MECHANICAL ENGINEERING

Our MEng students must complete four elective courses from this list:

1. **MEC E 539** – Applied Computational Fluid Dynamics
2. **MEC E 563** – Finite Element Method for Mechanical Engineering
3. **MEC E 630** – Fluid Dynamics
4. **MEC E 640** – Advanced Mechanical Engineering Thermodynamics
5. **MEC E 665** – Fundamentals and Materials Design in Additive Manufacturing
6. **MEC E 692** – Fundamentals of Engineering Numerical Analysis

PROGRAM FLEXIBILITY

- Complete the program in as little as **12 months**
- Full-time attendance qualifies international students for the maximum Post Graduate Work Permit

SPECIALIZATIONS

- **Mechanical Engineering**
- **Engineering Management**

COST

- International: **\$42,707.40** (total program fee);
- Domestic: **\$806.40** per 3 credit course.

**not including non-instructional fees*

***current for the 2023/2024 academic year*



View of Quad and downtown Edmonton

DEGREE IN ENGINEERING MANAGEMENT

Our MEng students must complete four elective courses from this list:

1. **ENG M 501** – Production and Operations Management
2. **ENG M 512** – Quality Engineering and Management
3. **ENG M 530** – Engineering Project Management
4. **ENG M 540** – Introduction to Optimization Models and Algorithms
5. **ENG M 620** – Engineering Economic Analysis
6. **ENG M 665** – Introduction to Intellectual Property and New Technology Commercialization

APPLY TO STUDY HERE:



For more information please contact us at mecegrad@ualberta.ca