WHAT CAN I DO WITH A DEGREE IN MECHATRONICS ENGINEERING?

Mechatronics engineers are tasked with the design and implementation of computer controlled electromechanical systems. Engineers produce new devices through the merging of electronics and mechanical systems using computer controlled systems. Mechatronic systems can include items such as robots, digital cameras and air bag systems. For more information, visit the Faculty of Engineering and Applied Science.

What skills will I develop in Mechatronics Engineering?

- Broad understanding of varying engineering disciplines
- Creativity and innovation
- Logical thinking
- Mechanical and computing abilities
- Problem solving

EMPLOYERS HIRE PEOPLE NOT DEGREES!

Think beyond your program when choosing a career. To find the right career, you will need to take into account your interests, skills, work preferences and values. The list below is meant to give you some ideas, but it is not exhaustive. Don’t limit yourself!

What are some career options with a degree in Mechatronics Engineering?

- Biomedicine
- Energy systems simulation and management
- Biomedicine
- HVAC projects
- Broad options, include the options occupied by mechanical, electrical, computer and software engineers
- Industrial automation and robotics
- Computer hardware and software design
- Industrial process control
- Control systems
- Integrated circuits and micro-electronics
- Design and operation of industrial machinery
- Laser technology and photonics
- Electrical power generation and distribution
- Materials and manufacturing systems
- Power generation
- Mechanical systems
- Quality control and management
- Telecommunications networks
- Research and development of new technologies
- Wireless transmission systems
- Robotics and automation solutions
- Speech, image and video signal processing
- Mechanical systems
- Where have previous UOIT Mechatronics Engineering grads worked?

Black & McDonald Limited
Canadian Armed Forces
General Motors

Ontario Power Generation
Rolls Royce Civil Nuclear Canada Ltd

Note: These are examples of some careers available, but is not an exhaustive list. Some may require additional education.
PARTICIPATE IN EXPERIENTIAL LEARNING

Does the program have co-op, internship or practicum?

The program offers a co-op program as well as an internship program. More details can be found on the Faculty of Engineering website.

Volunteering: If you have little or no work experience, unpaid work experiences are a great way to get your foot in the door, allowing you to develop your skills through hands-on experience, learn more about your interests and make valuable contacts to add to your network for potential paid work opportunities down the road. For more information, find volunteering resources at uoit.ca/careertools.

Informational Interviews: Informational interviews allow you to get the inside scoop on potential career paths from individuals working in the field. For information on how to set up and conduct informational interviews, find the informational interview resource at uoit.ca/careertools.

Where can I find more information?

Student Life Portal: Provides links to job search tools, job leads and information about further education. For more information, visit: uoit.ca/careercentre.

Career Counselling: Email careercounselling@uoit.ca to book a career counselling appointment if you are feeling stuck and would like to discuss your career development. Career counselling can help you identify strengths, interests and qualities that may align to particular career areas, and assist with anxiety, uncertainty and pressures related to choosing a career.

Academic Advising: Email engineering.advising@uoit.ca to set up an appointment to discuss questions related to your academic path within the Faculty of Engineering.