

ENTRANCE REQUIREMENTS

- > High school graduation
- > English 12 or English-language proficiency
- > Math 12
- > Physics 11.

(For complete grade requirements visit bcit.ca/energy.)

LEARN MORE

To learn more about the program, you can contact the program head, arrange to spend a day in the program, or attend an information session.

SPEND A DAY WITH US

To learn more about our program, you can spend a day with the Mechatronics and Robotics program. You will meet students and instructors and get a hands-on feel for what the program is about. Register online at bcit.ca/spendaday.

INFORMATION SESSIONS

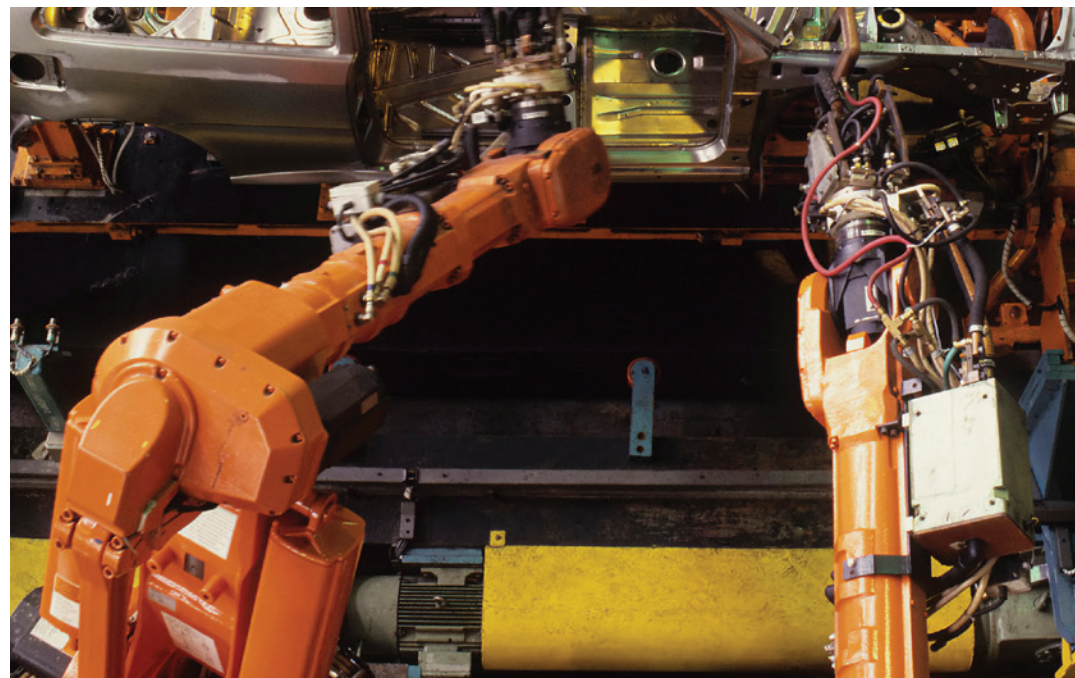
Information sessions for the Mechatronics and Robotics program are held regularly at BCIT. You'll have the opportunity to meet an instructor from the program who can help you with your questions and concerns. See bcit.ca/infosessions for more information.



MECHATRONICS AND ROBOTICS TECHNOLOGY

TECHNOLOGY'S CUTTING EDGE

bcit.ca/energy

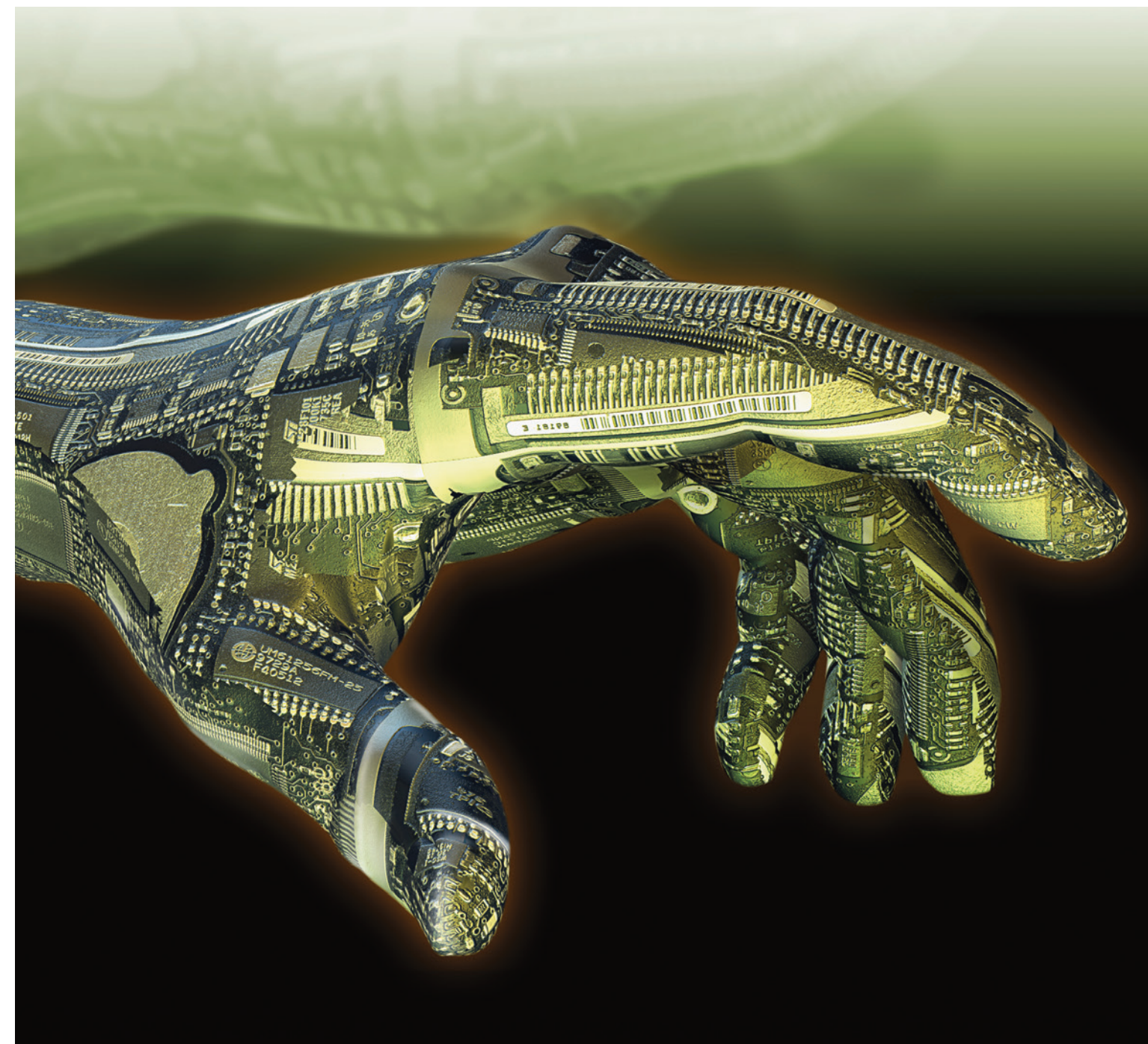


MORE INFORMATION

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Mechatronics and Robotics

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bcit.ca/energy



Enrol in the Mechatronics and Robotics two-year diploma program at BCIT and experience one of technology's most exciting new fields.

LIVE ON THE CUTTING-EDGE OF TECHNOLOGY

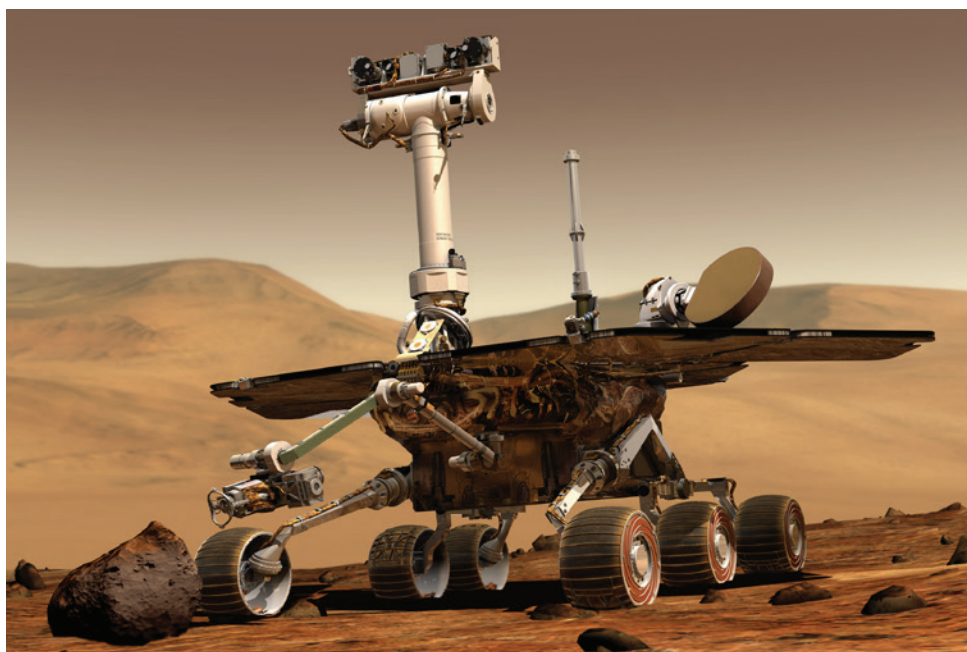
The world is quickly moving towards a future where many mechanical products contain computers and electronics for monitoring or control. This integration of mechanical and electronic components, or mechatronics, makes it possible to design intelligent, reliable, versatile electromechanical systems such as industrial robots, medical devices, aircraft simulators, automated assembly lines, building control systems, and autonomous vehicles. Skills in Mechatronics will be in high demand for many years to come.

THE PROGRAM

The Mechatronics and Robotics program at BCIT focuses on the automation of electromechanical devices and the application of robotic manipulators. You'll receive hands-on, interdisciplinary training in:

- > Programmable logic control
- > Microcontrollers and electronics
- > Computer-aided design (CAD)
- > Mechanical systems
- > Computer and robot programming
- > Interfacing sensors and actuators.

You'll also participate in a major project in the second year of the program.



"The Mechatronics and Robotics program at BCIT can open many doors for you as it has for me. It will provide you with an advanced education in electromechanical systems and give you the benefit of small class sizes so you can master complex topics by taking advantage of the one-on-one time with instructors. After two years you will earn a diploma and have the skills to make a good living; my company contacts the Mechatronics and Robotics Department first, for hiring new employees. If you are ambitious as I am, you can transfer into third year engineering at UVic or Lakehead University after a short bridging program and become either an electrical, mechanical, or computer engineer."

Peter Atwal, Dipl. T, B.Eng
Mechatronics and Robotics Graduate
Electrical Engineer
enCompass Solutions Group



JOB OPPORTUNITIES

We are proud of our graduates and the many interesting jobs that they do. The multidisciplinary training and education that you'll receive prepares you for a leadership role in the design and creation of innovative mechatronics products for a variety of applications. After graduation, you might be designing and building automated equipment for the movie industry, medical devices, production equipment, or submarines.

See bcit.ca/energy for more information including testimonials and lists of companies that have hired our graduates.

FLEXIBLE OPTIONS

Graduates of the two-year diploma program are in high demand by industry. Upon graduation, you may choose to work or continue on to earn an engineering degree. Visit our web site at bcit.ca/energy for more information.

BCIT DIPLOMA OF TECHNOLOGY IN MECHATRONICS AND ROBOTICS

WORK IN INDUSTRY

EARN YOUR DEGREE

DEGREE COMPLETION

Engineering Degrees

You can continue studying full-time towards an engineering degree at BCIT or other universities. BCIT has transfer agreements with the University of Victoria and Lakehead University where you can enter the third year of their engineering programs. You can also continue your studies at UBC or SFU where you will receive partial credit towards their engineering degrees.

Bachelor of Technology

To earn a degree while you are working, you can study part-time towards a Bachelor of Technology (BTech) degree at BCIT in either Manufacturing or Electronics. Graduates of the BTech in Electronics are able to pursue registration as professional engineers.