The primary focus of the program is on automated manufacturing processes, as well as the role of robots and their support equipment. Learn to program, test and debug robot programs.

**AREAS OF STUDY INCLUDE:**

- Motion programming
- Palletizing
- Conveyor systems
- Computer networking
- Automated sorting systems
- Vision and tactile sensors
- Computer integration

This Distance Education program provides you with an easy-to-use, home-study approach that requires only a personal computer and an internet connection; you do not need expensive books or lab equipment. The robotics simulation software essentially converts your computer into a virtual industrial robot, complete with a three-dimensional learning environment that includes manufacturing plants and control systems.

You may enrol in the program at any time (open-enrolment). Complete each module (course) in your own time. Typical completion time is 28 weeks, but there are no time limits (and previous electronics and/or robotics/automation experience and education may reduce that time significantly).

**PREREQUISITES**

Ontario Secondary School Diploma (with credits at or above the general level) or equivalent or mature student status. An electronics background is helpful but not essential.

**REQUIRED COURSES**

The modules should be taken in the following order.

**COMPULSORY (13)**

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<td>ELNC9103</td>
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**YOUR CAREER**

This program prepares you to install, service, maintain, troubleshoot and repair robots and automated production systems (mechanical and electrical). The skills acquired through this program enable you to work closely with designers, engineers and technologists, and to be involved in the developing, testing, programming and on-site installation of new robots. The training and knowledge you gain from this program will allow you to work as a robotics trainer and to train others to install, use and maintain robots.
ADMISSION REQUIREMENTS

Applicants are selected on the basis of their academic achievement, including the required courses, and any other selection criteria outlined below.

- Ontario Secondary School Diploma or equivalent**
- Grade 12 English (C or U)
- Grade 11 Math (M or U) or Grade 12 (C or U)

** Mature Student status (19 years of age or older)

SPECIAL REQUIREMENTS

- Pentium-based PC or equivalent
- USB port and sound card
- Minimum 512MB RAM (1GB recommended)
- Minimum 250MB available hard disk space
- Windows 7/8/8.1/10
- Email account
- Internet access
- 32 and 64 bit compatible

CONTACT US

Call us at 416-415-4726, or toll-free 1-888-553-5333.
E-mail info@gbctechtraining.com.
Check out the course details along with our interactive video tour at onlinerobotics.com.

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