

## Motoman NX100 Basic Programming

This course is an introduction to programming the NX100 controller. No prior knowledge of robot programming or the NX100 controller is required.

**Primary Topics** include: robot safety; system power up/down, coordinate systems; motion type path programming; control, arithmetic and I/O instructions; job editing; positioning accuracy tags; speed adjustment; job functions and tool control point (TCP).

### Course Overview

This course consists of classroom lectures, demonstrations, discussions and hands-on practice exercises. Covered topics are related to real-world examples and applications. To create an interactive and enhanced learning environment, class size is limited to 8. To perform the hands-on practice exercises, students are typically assigned 2 to a pendant at HACC Technology Center and no more than 3 to a pendant On-Site.

### Course Materials

Students receive a copy of the NX100 Basic Programming Training Manual which details instructions and programming techniques for the Motoman controller. Additional handouts relate to specific topics covered in the class. Students are urged to take notes, participate in discussions, and to bring up specific programming issues.

### Course Length

This course runs 4.0 days ( 26 hours ), Mon-Thurs. 8:00 am to 4:00 pm.

### Prerequisite

NONE

### Pricing

\$1500

### Notes

Training class schedules are subject to be changed without notice, based on training demands.

### Class Schedule at HACC-Chambersburg Technology Center

CRN 72464 May 7-10, 2012

CRN 80385 July 23-26, 2012

CRN 80386 August 13-16

CRN 80387 September 17-20, 2012

CRN 80388 October 15-18, 2012

CRN 80389 November 12-16, 2012

CRN 80390 December 10-13, 2012

### Register Today at:

Online Registration: <http://hacc.edu/NonCredit/HowtoRegister/upload/OEF.pdf>

Or call:

*Hacc Manufacturing and Green Technology*

*1 HACC Drive, Mid 1-209*

*Harrisburg, PA 17110*

*717-221-1337 Office*

*717-909-4014 Fax*

*Email: chambersburg@hacc.edu*





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## About HACC

Harrisburg Area Community College (HACC) was established in 1964, as the first community college in Pennsylvania. In seeking to fulfill its mission of “providing educational and cultural opportunities to the community it serves,” HACC has become one of the largest undergraduate colleges in Pennsylvania, with nearly 25,000 students enrolling in credit programs and courses each semester. Now spanning Central Pennsylvania with five campuses and plus a virtual campus, HACC offers over 180 career and transfer programs to the associate degree level. In addition to the credit programs, HACC has a very long tradition of providing affordable non-credit workforce skills training for in demand jobs throughout Central Pennsylvania serving over



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