

c/o Harford Community College  
Edgewood Hall Apprenticeship & Training Center, Room 225  
401 Thomas Run Road · Bel Air, Maryland 21015-1698  
443-412-2800 · Fax 443-412-2806



## Intermediate Industrial Motor Control and Print Reading Spring 2024

This course, offered by the Harford County Electrical Contractors Association and Harford Community College, covers the concepts, logic, and components used to control industrial motors. Topics include: review of basic motor controls, large breaker motor controls, complex control prints such as: duplex pump controls and chemical plant electrical drawings, control logic, basic electronics for motor control, basic AC and DC motor drives, IEC controllers, basics PLC's. This hands-on course will consist of a series of **6 three-hour classes**. 1.8 CEUs (Continuing Education Credit) and a certificate will be issued upon completion. Due to equipment constraints, class size is limited to 12 students. **(This course is intended for those that have completed the "Basic Motor Control Course" or who have a solid basic motor control background.)**

<b>Course Number</b>	TBD
<b>Instructor</b>	<b>Mr. Hugh Richardson</b> , instructor for HCECA Apprenticeship Program and Harford Community College Electrical programs
<b>Dates &amp; Time</b>	Mondays and Wednesdays   May 29 – June 17   6 – 9 PM (6 classes)
<b>Location</b>	Harford Community College, Edgewood Hall, Room 235 (2 <sup>nd</sup> floor) (Entrance 3 off of Thomas Run Road)
<b>Tuition</b>	\$250 – HCECA apprenticeship student price (\$250 if no book needed) \$300 – Regular price (\$300 if no book needed) \$270 – Discounted price (10% off regular price) for HCECA members and their employees* *If you are not a member but would like to join HCECA, please visit our website, <a href="https://www.hcecamd.org/">https://www.hcecamd.org/</a> . An application can be found under the Membership tab.

**Student Withdrawal and Refund Policy:**

- If students withdraw 1 week or more prior to first class meeting, HCECA will refund 100% of the tuition.
- If students withdraw less than 1 week before the first class meeting, HCECA will refund 75% of the tuition.
- No refund is available after the start of class.
- No senior citizen waiver or other discounts apply, other than the membership discount.

To register for the **Intermediate Industrial Motor Control and Print Reading** course, please complete the information below and email to [hceca@harford.edu](mailto:hceca@harford.edu). Call 443-412-2800 to pay with credit card. Be sure to indicate if you are an HCECA student or HCECA member to receive your reduced rate.

First Name	MI	Last Name	Phone/Cell Number
Street Address		Email	
City	State	Zip	
HCECA Student: Yes <input type="checkbox"/> No <input type="checkbox"/>	HECEA Member: Yes <input type="checkbox"/> No <input type="checkbox"/>	Tuition Due:	\$ _____