

MERIT PROGRAM

MOTOMAN ENDORSED ROBOTICS INSTRUCTOR TRAINING

The MERIT Program was developed specifically for educational institutions with a vision of becoming a Yaskawa Motoman satellite training facility or to support workforce development certification with industry. It is designed to bring the same quality of training, as delivered by the Yaskawa Academy staff, closer to our installed base.

Two program levels are available. One for undergraduate certification, and one for workforce and industrial users. Length of training varies depending on the participant's robot programming experience, but certification should be completed within 18 months.

It is highly recommended for educational institutions to identify a primary and a secondary instructor.

YASKAWA ACADEMY

With 13,400 sq ft and 69 robots dedicated to training, Yaskawa Academy offers the most comprehensive training package in the industry. Classroom instruction, combined with hands-on training, is available for over 75 training courses including: Operator's training, Basic Programming, Advanced Programming, Ladder Logic (PLC) and Maintenance. Our 2:1 student-to-robot ratio maximizes hands-on opportunities. Application-specific training classes are also available depending on your focus and vision.

All training courses and programs undergo a rigorous evaluation process which adheres to the American National Standards Institute / International Association of Continuing Education and Training (ANSI/IACET 1-2018 Standard).



Science | Technology | Engineering | Mathematics

TWO MERIT PROGRAM LEVELS

MERIT Program for Undergraduate Certification

Designed for instructors of high school students, career tech and college undergraduates. Consisting of three phases, participants will gain the ability to deliver structured curriculum in a knowledgeable, confident and consistent manner. This program level enables schools to develop a student-based robotics certification course(s) with a focus on core robotics skills, or to expand an existing mechatronics robotics program. Topics can be customized with any set of objectives in mind. MERIT course delivery may be blended across the semester length.

MERIT Program for Workforce and Industrial Users

Designed for instructors of workforce and industrial users. Once an instructor becomes certified in a specific training class, he or she can deliver the same curriculum and instructional model as Yaskawa Academy to local manufacturers. This program level consists of five phases. MERIT course delivery is 1-4 weeks.

HIGHLIGHTS

Industrial robotics curriculum is aligned with academic degree programs and state-based career pathway skills.

Recognition as a certified Yaskawa Motoman endorsed satellite training facility.

On-line LMS curriculum support (blended model) for instructors.

Expansion of knowledge base and accessibility of robotics skills and local or geographic centered industries.

One-on-one assignment of a Yaskawa Academy robotics instructor to ensure continued success and development of staff.

Annual audit to ensure compliance and success.

PROGRAM PHASE DESCRIPTIONS

Phase I | Phase II | Phase III

These three phases are intended for participants of both MERIT program levels.

Phase I: Participants attend the respective training class as a **STUDENT**. The focus of this phase is to learn and understand the topics as delivered from a Yaskawa Academy certified instructor.

Phase II: Participants may attend the same class for a second time as an **OBSERVER**. This phase is not mandatory, however it is strongly recommended as it enables the OBSERVER to focus more on the delivery of the topics and the timing of all exercises. This provides the opportunity for the OBSERVER to hear the types of questions being asked from actual students and to formulate their own solution prior to the response from the certified instructor. This phase also helps to instill the confidence level required to deliver class topics in front of students that may have already been exposed to robot programming.

Phase III: One-on-one skills assessment to identify strengths and weaknesses of the participant, as an **INSTRUCTOR**. The INSTRUCTOR delivers the course material to a Yaskawa Academy robotics instructor who will complete the assessment and provide examples to ensure and reinforce the understanding of the topics being delivered.

Phases IV | Phase V

These two phases are intended for participants of the MERIT Program for Workforce and Industrial Users.

Phase IV: The participant, as an **INSTRUCTOR**, delivers the class to a live audience at your facility with a Yaskawa Academy certified robotics instructor present as a coach. A daily review will be conducted, as well as an overall report to indicate certification status.

Once scheduled, your class will be posted on Yaskawa Academy's web site. Potential students may enroll through Yaskawa Academy or directly through your facility.

NOTE: It is the responsibility of the educational institution to schedule this class.

Phase V: A Yaskawa Academy certified instructor will make an annual visit to your facility to ensure that training classes are presented in compliance with the established delivery structure. Curriculum and manual updates will also be provided.

UPON COMPLETION

MERIT Program – For Undergraduate Certification

- Assistance is available from Yaskawa Academy staff, via email or phone, for non-emergency issues during regular business hours.
- Educational institutions have the option of purchasing Yaskawa Academy's standard curriculum and LMS to eliminate the cost of developing and maintaining curriculum.

MERIT Program – for Workforce and Industrial Users

- A MERIT Agreement between Yaskawa Academy and the educational institution will be issued that will outline the responsibilities of both parties.
- Yaskawa Academy curriculum can be offered by your MERIT-certified instructor at your facility to local manufacturers.
 - Students of these courses receive the same class material, curriculum and instruction as if attending Yaskawa Academy.
 - Students that successfully complete a course delivered by a MERIT-certified instructor will receive a certificate which is a valid prerequisite for any future advanced training course within the respective controller group.
 - Students are eligible to earn Continuing Education Units (CEUs).
- Assistance is available from Yaskawa Academy staff, via email or phone, for non-emergency issues during regular business hours.