FANUC Robotics-CERT Handling Tool Operations & Programming Certification (Level 1) and FANUC Certified Robot Operator 1 (FRC-01)

Aligned Programs of Study: Mechatronics and Technology
Aligned Courses: Robotics & Automated Systems (6143)

Description

The FANUC Robotics certification offers students the opportunity to not only learn about real-world industrial automation, but also to prepare for it. FANUC Robotics America Corporation has been engineering, designing, and manufacturing cutting-edge robotic solutions for companies located globally for over 35 years. With such a large presence in manufacturing today, FANUC certification is in high demand.

The FANUC Robotics – CERT Handling Tool Operations & Programming Certificate (LEVEL 1) is intended for students with no prior experience in robotics or automation, but a basic knowledge of engineering fundamentals and practices is helpful. FANUC recommends that applicants review the online eLearning curriculum on Safety and Operations/Programming and have at least 80 hours of classroom time working with the curriculum and hands-on programming of the robot.

FANUC's Certified Education Robot Training (CERT) program certifies instructors at high schools, technical schools, community colleges, and universities to train their students to program FANUC robots through online and hands-on training courses.

FANUC's CERT program allows schools to train students how to use the latest robotic automation while applying science, technology, engineering, and math. These programs significantly enhance student learning and provide training for real-world applications with real-world industrial robots. Students receive an industry-recognized certification upon course completion.

FANUC – CERT Handling Tool Operations & Programming Certificate (LEVEL 1): Certification is intended for students with no prior experience but knows the fundamentals and has an interest in the field of robotics and advanced automation.

Materials and Resources

Additional materials and resources can be found at this website:
http://www.FANUCamerica.com/CERT/

Testing Sites

Each CERT School that has purchased a FANUC CERT cart/robot & CERT program) is eligible to act as a testing site. The instructor must complete the four-step process to become certified. Once he or she becomes certified, the school now becomes a FANUC Certified Training Center for Material Handling. Any student that participates in the robotic program and completes the steps can receive a [CERT Handling Tool Operations & Programming Certificate](#) (Note: It is not FANUC that provides the certification; it is the school's FANUC Authorized instructor). **Once a student successfully earns this certificate, they are now eligible to take the FANUC Certified Robot Operator 1 (FRC-01) assessment for certification.**

Required Instructor Qualifications

1) The instructor must take the online prerequisites e-Learn courses.
2) The instructor will attend a week-long training session for Material Handling at a FANUC Training Center (TBD).
3) After attending the class, an online exam with a passing grade of 80% is required.
4) The instructor will create a 15-minute lesson presenting to the class to send to FANUC for approval.

Test Owner and Registration

FANUC America

3900 West Hamlin Road

Rochester Hills, MI 48309

Phone: (888) 326-8287

NOCTI Business Solutions

500 N Bronson Ave

Big Rapids, MI 49307

Phone: (231) 796-4695

Registration Procedures

Students who have successfully completed the FANUC course at their school also have the opportunity to take the FANUC Certified Robot Operator 1 (FRC-O1) Assessment, a nationally recognized assessment exam managed by NOCTI Business Solutions (NBS). **The school must be a FANUC CERT School and be approved by NOCTI to proctor and administer the tests. Successful students will receive a National FANUC Certification and Digital Badge.**

Exam Codes	FANUC Certified Robot- Operator 1 (FRC-01)
Website	http://www.FANUCamerica.com/CERT
Number of Questions	140
Type of Questions	Written assessment
Length of Test	180 minutes
Passing Score	85%
Recommended Experience	Engineering Fundamentals and Practices. Knowledgeable in Math
Languages	English, Spanish
Price	Included with the purchase of Fanuc CERT cart