FESTO

THIS CERTIFICATE IS PRESENTED TO

Lucas Bianco

Who has been formally evaluated for demonstrating the highest levels of knowledge and skills and, as such, is bestowed the following NC3 Global Credential.

Introduction to Mechatronics

COLLABORATE IN THE CLASSROOM. COMPETE IN THE MARKETPLACE.

Roger Tadajewski, NC3 Executive Director

THIS CERTIFICATE IS RECOGNIZED BY:

FESTO

3M Science. Applied to Life.™

04/11/2025

Date Completed

Tri-County Regional Vocational Technical High School

NC3 Certification Center

Lucas Bianco has displayed competency of the content listed below through both cognitive and skill-based assessments.

- Explain the function of electro-pneumatic systems
- Explain and demonstrate the function of Stacking, Conveying and Handling Systems
- Identify the components of automated systems
- Explain and demonstrate the functionality of Pneumatics, Electrical and Mechanical components
- Utilize software tools to design, simulate and control automated systems
- Identify the elements of Programmable Logic Controllers
- Analyze logic circuits and develop sequence programs
- Apply the engineering design process to create automated systems and solutions
- Apply critical thinking, problems solving, and teamwork

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