

THIS CERTIFICATE IS PRESENTED TO

## BARRETT WISE

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.



Carlos Miranda, CEO of Festo North America



Roger Tadajewski, NC3 Executive Director



THIS CERTIFICATE IS RECOGNIZED BY:



12/15/2022

Date Completed

Virginia Peninsula Community College

NC3 Certification Center

## Certification Competencies

BARRETT WISE

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



Virginia Peninsula Community College  
Certification Center

12/15/2022

Date Completed

---