



Central Community College & Processing Team

Strategic Partnership

Jerry Muller

Industrial Trainer/Coordinator and Mechatronics Adjunct Instructor, Central
Community College, Columbus, Nebraska
Co-PI, National Center for Next Generation Manufacturing



Processing Team

Members

- **Doug Laven** – Mechatronics Instructor at South Central Community College in Mankato, Minnesota
- **Kalie Brunton**– Electro-Mechanical Technology Instructor at Columbia Gorge Community College in Dalles, Oregon
- **Craig Potthast** – Advanced Manufacturing Plastics Trainer at Central Community College in Columbus, Nebraska
- **Dan Davidchik** – Mechatronics/Instrumentation Instructor at Central Community College in Columbus, Nebraska

Central Community College

Expertise Plastics

- **Karl Anderson** – Plastic Injection Molding Director/Instructor Central Community College
- **Craig Pothast**–Plastics Trainer at Central Community College



Plastics Activities

- RJG Workshops
- Numerous Adult Ed and High School visits winter/spring 2025
- Mentioned in the editorial page of Plastics Technology Magazine May 2025

EKLE
MACHINERY

TOYO
MACHINERY & METAL

ARBURG

RJG
MOLD SMART

ENGEL



National Center for
NEXT GEN
MANUFACTURING
www.nextgenmfg.org

Central Community College Expertise

- Mechatronics – Two Specializations
 - Electromechanical
 - Process Instrumentation and Control

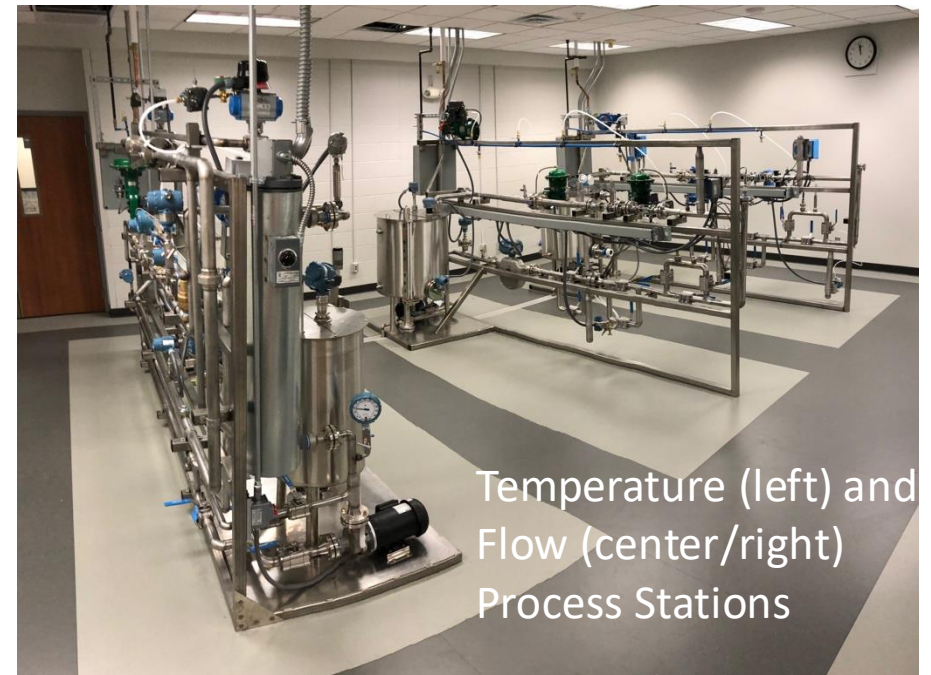
FESTO



Control Systems Lab Stations


EMERSON

Endress+Hauser 



Temperature (left) and
Flow (center/right)
Process Stations

Central Community College

NSF grant

- **Project BUMP #2500493**

Building robust Mechatronics Pathways

9/1/2025 – 8/31/2028



Nebraska Ethanol Board



Central Community College

NCNGM Professional Development (PD)

COURSE OFFERINGS

All courses include course materials, a trainer, and a stipend which includes travel expenses.

☐ **COURSE ONE:
Concepts of
Electronics**

Tuesday, June 9, through
Friday, June 12

4 Days

Stipend of \$1,800 which
includes travel expenses
Trainer valued at over
\$500

☐ **COURSE TWO:
Intro to
Instrumentation**

Monday, June 15, through
Thursday, June 18

4 Days

Stipend of \$1,800 which
includes travel expenses
Trainer valued at over
\$1,300

☐ **COURSE THREE:
Intro to PLC's**

Tuesday, June 23, through
Friday, June 26
4 Days

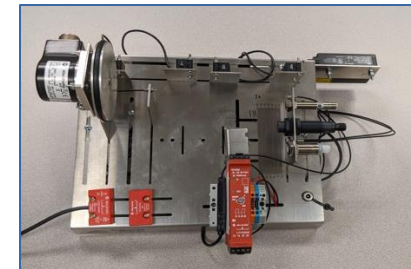
Stipend of \$1,800 which
includes travel expenses
Trainer valued at over
\$1,750

☐ **COURSE FOUR:
Application of
Industrial Sensors**

Monday, June 29, through
Wednesday, July 1

3 Days

Stipend of \$1,500 which
includes travel expenses
Trainer valued at over
\$1,950



Central Community College

Partnerships created through NCNGM Professional Development (PD)

- Columbia Gorge Community College, OR
 - Offering at 3 local high schools
- Morgan Community College, CO
 - Offering at 8 local high schools
- St. Charles Community College, MO
 - Using trainers/curriculum
- Wolcott High School, CT
 - 13 students taking Mechatronics
- Juab-North\South Sanpete School district, UT
 - Offering at 4 local high schools



QUESTIONS?

Contact Information

Jerry Muller

Industrial Trainer/Coordinator and Mechatronics Adjunct
Instructor, Central Community College
Co-PI, National Center for Next Generation Manufacturing
jerrymuller@cccneb.edu