

Skilled and Technical Sciences Division Central Community College

APRIL 15, 2021



Dan Gettinger, Associate Dean



Dan serves Skilled and Technical Science programs in Columbus, Grand Island, and Kearney

Dan has been with the STS division for one year



Dan Davidchik and Jared Pettit, Mechatronics Instructors



Independent Mechatronics Education Center (iMEC 2.0)

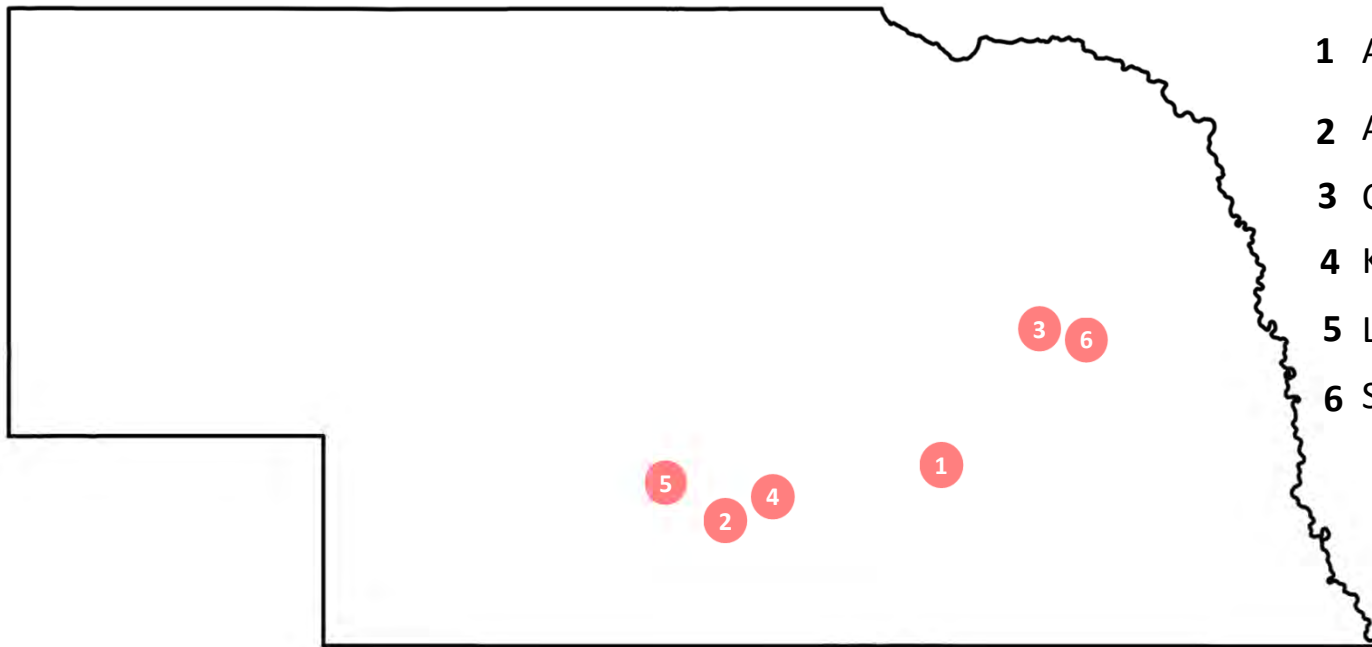
National Science Foundation Grant -
Central Community College & South Central College, Mankato, MN

Purpose: To increase the number of Mechatronics and Instrumentation technicians by introducing high quality STEM coursework to high schools at a distance

Mission: To engage secondary educators and their students in four CCC Mechatronics courses



iMEC 2.0 Nebraska High Schools



- 1 Aurora HS – Tate Erbst
- 2 Axtell HS – Josef Philippi
- 3 Columbus Lakeview HS – Joe Haschke
- 4 Kearney HS – Andrew Olson
- 5 Lexington HS – Tim Potter
- 6 Schuyler HS – Donald Seehusen

*Estimate 60 to 75 student enrollments in Year One (2021-2022)



Engage in Technology at an Earlier Age

➤ CCC Mechatronics Classes Offered to NE High Schools

- YEAR ONE:

- INDT 1100 - Concepts of Electronics I
- INDT 1800 – Intro. to Instrumentation

- YEAR TWO:

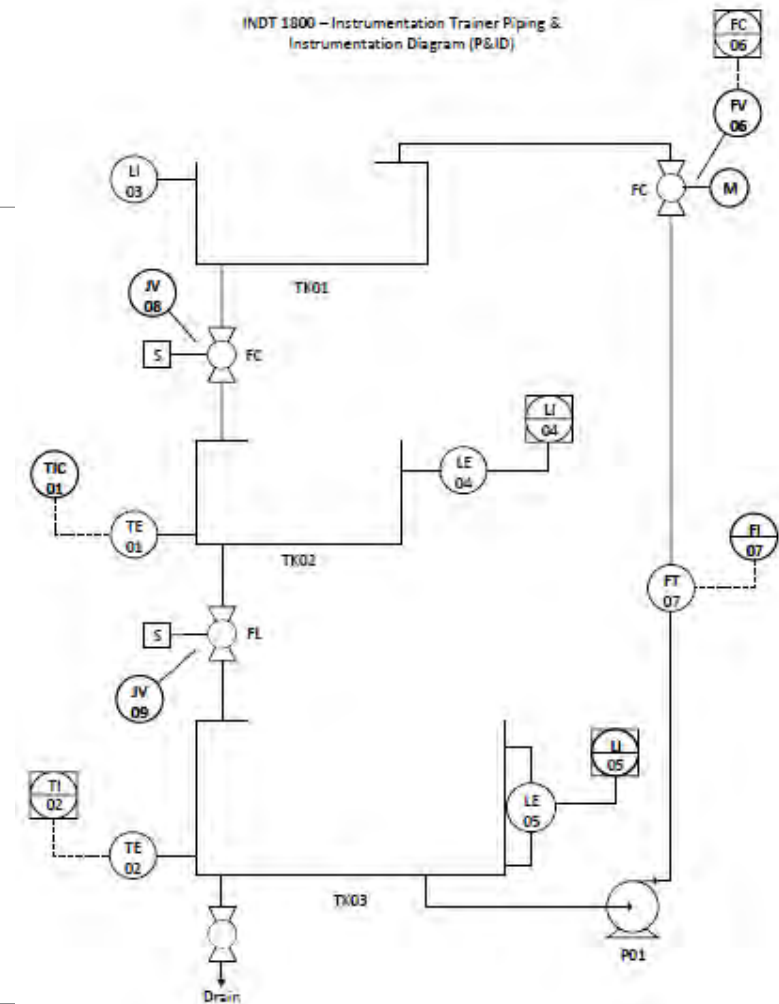
- INDT 1200 – Intro. to Programmable Controls
- INDT 2410 - Applications of Industrial Sensors



Online Class Format with Lab

1. Discovery (Lecture)
2. Application (Lab)
3. Critical Thinking (Troubleshooting)
4. Re-enforcement (Homework)
5. Reflection (Quiz)





NCE Conference Presentation

Nebraska Career Education Conference (NCE)

Virtual Session: “Teaching Mechatronics in High Schools” - June 8th

Presenters: Dan Davidchik & Jared Pettit



Mark Funkey, Associate Dean



Mark serves Skilled and Technical Science programs in Hastings with two full-time AUTO instructors off campus at Hastings High School and Kearney High School

Mark has been with the STS division 13 ½ years

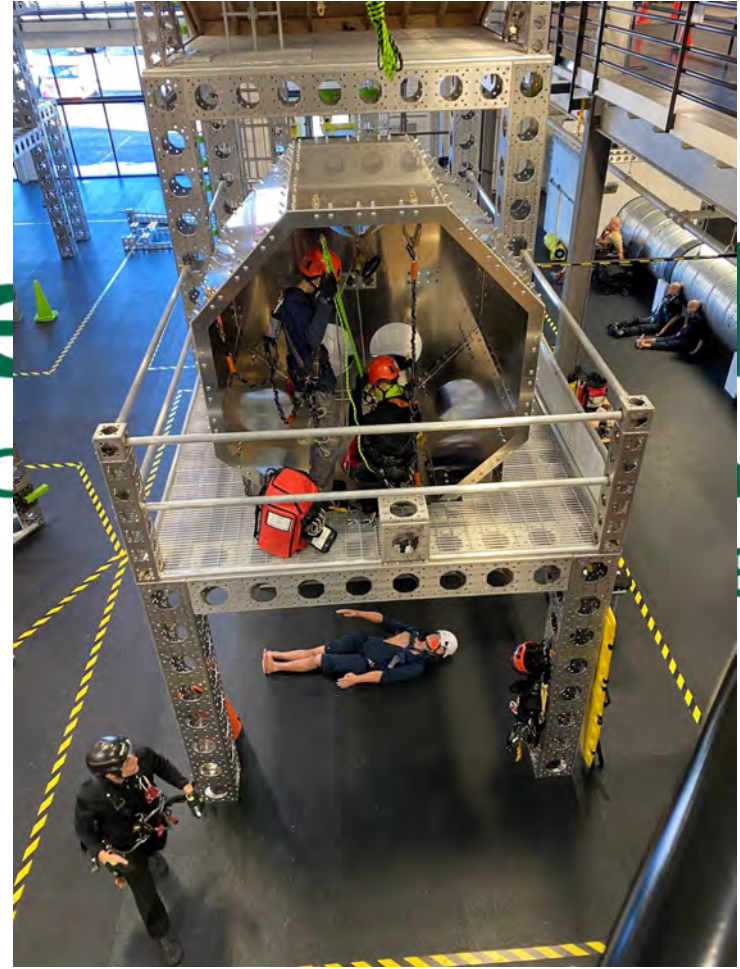
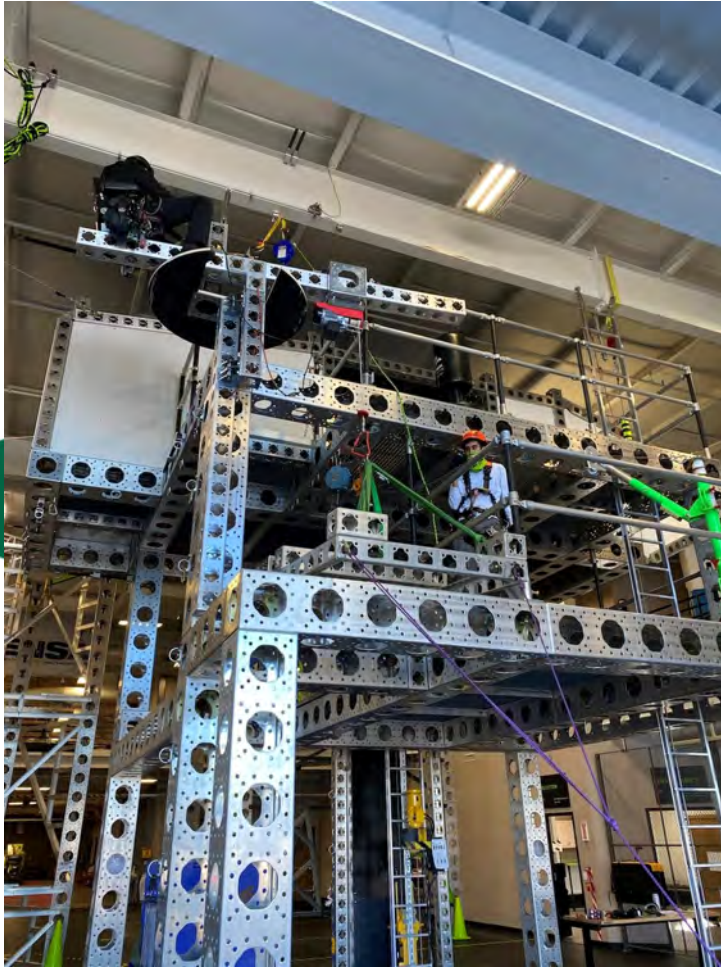
5 ½ years as a DSGN instructor in Grand Island and 8 years as an associate dean in Hastings

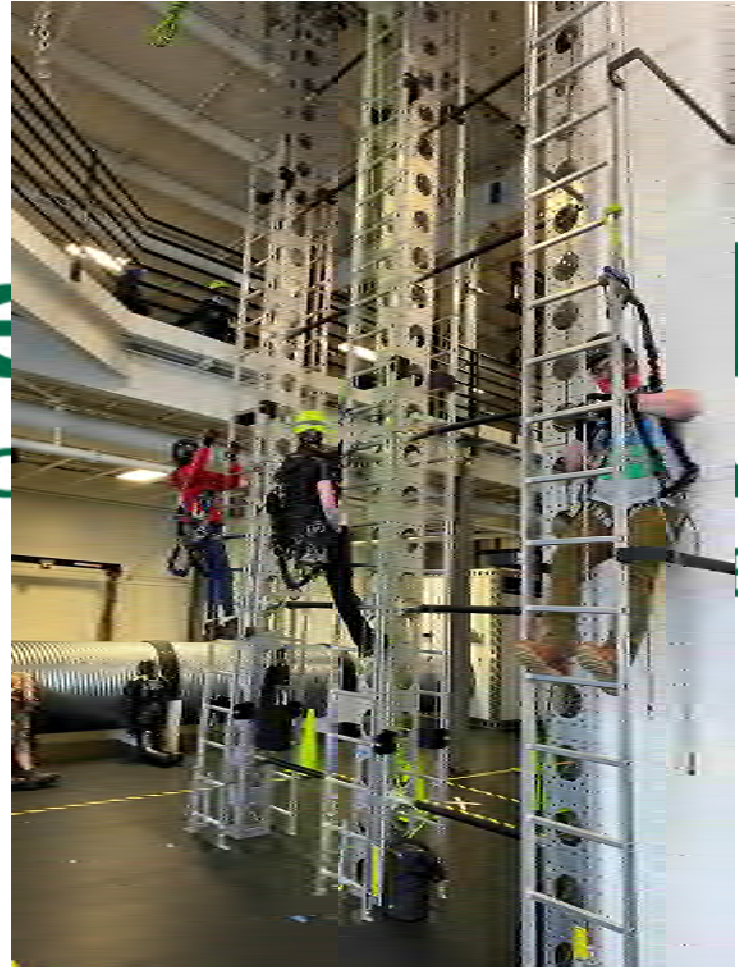
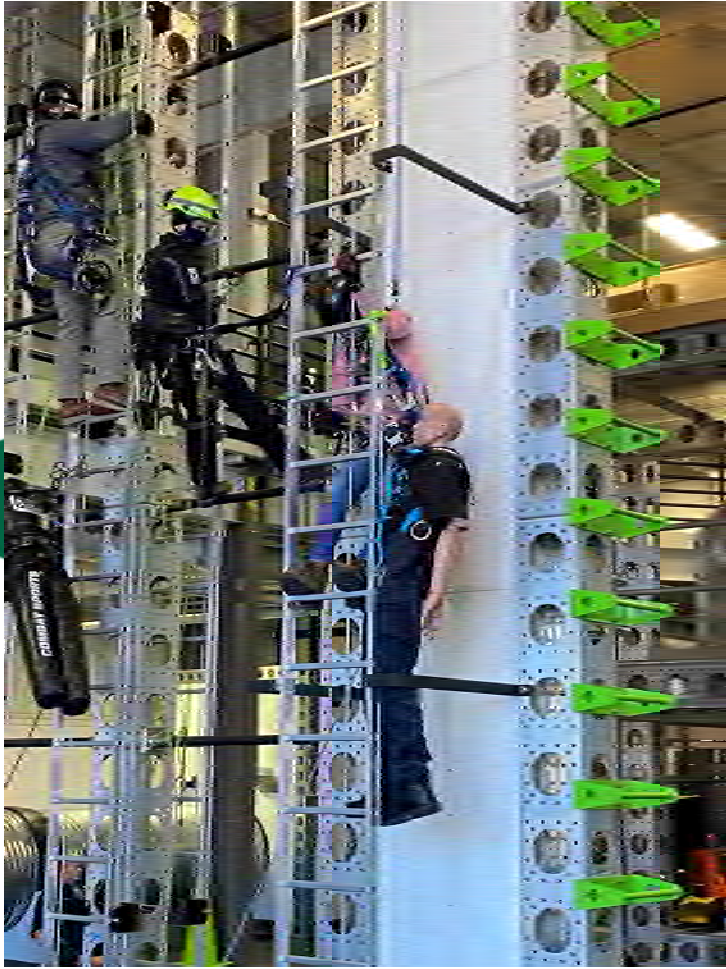


Taylor Schneider and Shea Peden, Energy Technology Instructor and Student









What are **YOU** doing on April 22, 2021?

Join us for an Earth Day bike ride from 1-2 pm Hastings Campus.

We will be riding from the CCC bike share station to the wind turbine where tours of the base of the wind turbine will be given along with sharing more information about growth in renewable energy careers.



Skilled and Technical Sciences

- One of four instructional divisions
- 15 Programs at four CCC locations
- Some programs at a single location, some multi-campus/center
- Programs in four industry sectors:
 - Construction, Energy, Manufacturing, and Transportation
- Most STS programs have classes that are a blend of classroom and hands-on learning



Skilled and Technical Sciences Graduation Awards

- 898 awards in 2017-2018
- 972 awards in 2018-2019
- 993 awards in 2019-2020
- Like many CCC programs, the STS programs are ladderred from a one semester certificate in a specific area of the program to a one-year diploma to a two-year AAS degree.
- Most STS programs lead to an Associate of Applied Science (AAS) degree, TRUK offers a certificate in six-weeks and many HEOT students complete a one-year diploma.
- Students are in high demand and sometimes presented with industry opportunities/employment before completion of an AAS degree.



“Signing” Day

- Ceremonial event to provide recognition for incoming students to CCC
- Students will register for fall 2021 classes and begin connecting with their program-of-study
- Students are also able to connect with services at CCC
- Held in Columbus, Grand Island, and Kearney – April 21, 2021
- Held in Hastings – April 28, 2021
- 2021 is the second year for signing day (began 2019)



Shout Out!

- Students
- Faculty
- Staff
- Administration
- The pandemic introduced us to new challenges and opportunities



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