Wisconsin Department of Corrections
Governor Tony Evers | Secretary Kevin A. Carr

COUNCIL ON OFFENDER REENTRY - AGENDA
June 16, 2021: 1:30 PM – 3:30 PM

OPEN MEETING NOTICE
Conducted Remotely via Zoom:
https://doc-wi.zoom.us/j/85220751847?pwd=c2pCNWtJR2F3NHZvN1U0b0pzaGNLUT09
Phone Number for Dial In: 1-877-336-1829 (Toll Free)
Conference Code: 253115

I. Director Welcome & Approval of Minutes   1:30 – 1:35
   Silvia Jackson, *Department of Corrections (DOC) Reentry Director*
   a. Welcome Dr. Marguerite Burns, Academic Professional Representative
   b. Re-appointment (two-year term) Mary Davies, Technical College System
      Representative and Jon Padgham, Public Defender Representative
   c. Vacancy: Awais Khaleel, District Attorney's Office Representative
   d. Approval of Minutes from March 17, 2021 meeting

II. Wisconsin Projected Labor Market Trends   1:35 – 1:55
   Dennis Winters, *Chief Economist, Department of Workforce Development*

III. Department of Corrections Mobile Lab Training Initiatives in High Demand Fields   1:55 – 2:05
   Becky Heth, *Reentry Employment Program Manager, DOC*

   a. DOC Electro-Mechanical Mobile Lab at New Lisbon Correctional Institution   2:05 – 2:25
      Britt Pagor, Data Specialist, *Western Technical College*
      Kevin Hoeltzle, *Instructor- Electromechanical & Automation Integrated Technology
      Division, Western Technical College*

   b. DOC Welding Mobile Lab at Taycheedah Correctional Institution   2:25 – 2:45
      Mary Davies, *Associate Dean of Economic and Workforce Development, Moraine
      Park Technical College*
      Matthew Virtanen, *Welding Instructor- Economic and Workforce Development,
      Moraine Park Technical College*

   **c. DOC Computerized Numerical Control (CNC) Mobile Lab at Racine Correctional
      Institution**   2:45 – 3:05
      Jeremy Dutton, *CNC / Tool & Die Instructor, Business & Workforce Solutions,
      Gateway Technical   College*

   **d. DOC Mechatronics Mobile Lab will be placed at Racine Youthful Offender
      Correctional Facility**   3:05 - 3:25
      JD Jones, *Electro-Mechanical Maintenance Technician Instructor, Business &
      Workforce Solutions, Gateway Technical College*

IV. Next Meeting Date: 3:25 -3:30
   a. September 22 or 29, 2021 (1:30-3:30 PM)
   b. December 15, 2021 (1:30 – 3:30 PM)

The public is invited to join the Council meeting by clicking on the Zoom link or calling in, as listed above.

For questions regarding this meeting, please contact:
Kellie Blechinger | Program and Policy Analyst Adv**.**
Office of the Secretary – Reentry Unit
Wisconsin Department of Corrections
Kellie.Blechinger@wisconsin.gov

Racine Correctional Institution

in Partnership with Gateway Technical College Computer Numerical Control (CNC) Program

Curriculum

Current Courses Include:
- Gauging and Quality Control
- Fundamentals of Blueprint and Shop Safety
- Foundations of CNC Machining
- CNC Machining Technology
- Applied Math 1

Upcoming/ In Development:
- OSHA 10/30 General Industry
- Dremel 3D printers
- Tormach CNC router machine

CNC Certificates

Current Certificates Offered
- CNC Operator Certificate
- Wisconsin CNC Pre-Apprenticeship
- NC3 Precision Measurement Instruments
    - Module 1 - Tape and Rule Measurement
    - Module 2 - Slide Caliper Measurement
    - Module 3 – Gage Measurement
    - Module 4 – Angle Measurement
    - Module 5- Micrometer Measurement
    - Module 6- Dial Gage Measurement

Future Certifications/Credentials:
- NC3 Mike Rowe Work Ethic Certification Sweat Pledge
- NC3 Tormach XS Router
- NC3 Dremel 3D Idea Builder Certification
- S/P2 Machining Credential
- OSHA 10/30 General Industry Certification

Equipment

Equipment

Inside the Mobile CNC Classroom:

1 – Haas Compact 3 axis CNC Mill

1- Haas Compact 2 axis CNC Lathe

1- VMC2 ProtoTrak Machine 3 axis CNC Mill

12 Haas Gen 2 CNC Simulators

2 Haas Gen 3 CNC Simulators

CAD/CAM software for CNC Programing (Instructors Computer)

Gauging and Quality Control tools

Equipment

Equipment

Equipment

Equipment

Equipment
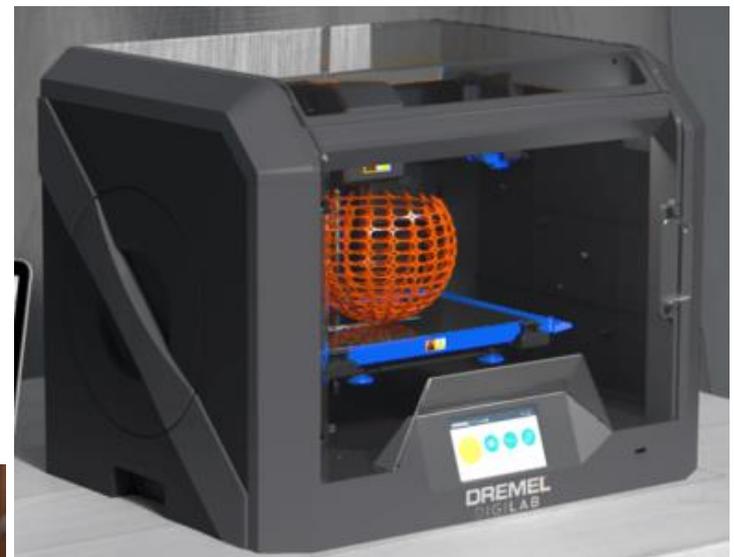
Inside of RCI Mobile CNC Classroom

Former Student Projects
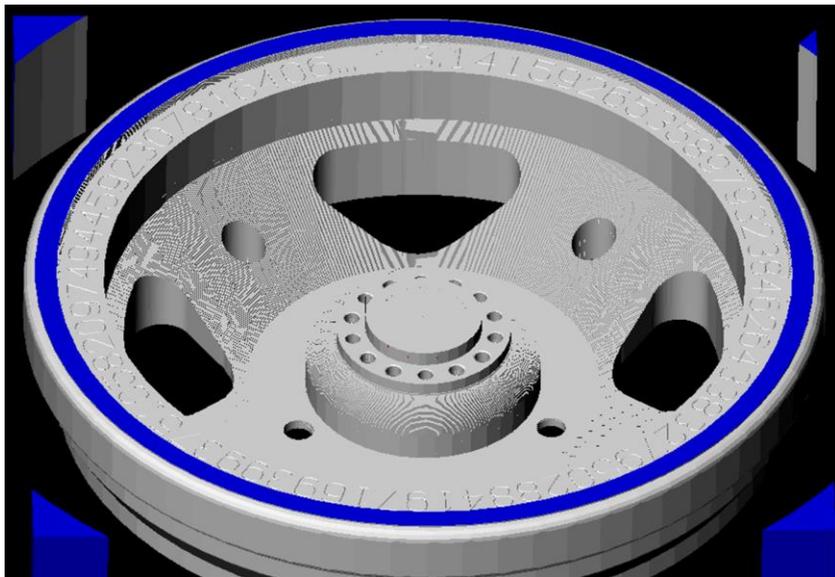
Former Student Projects

Former Student Projects
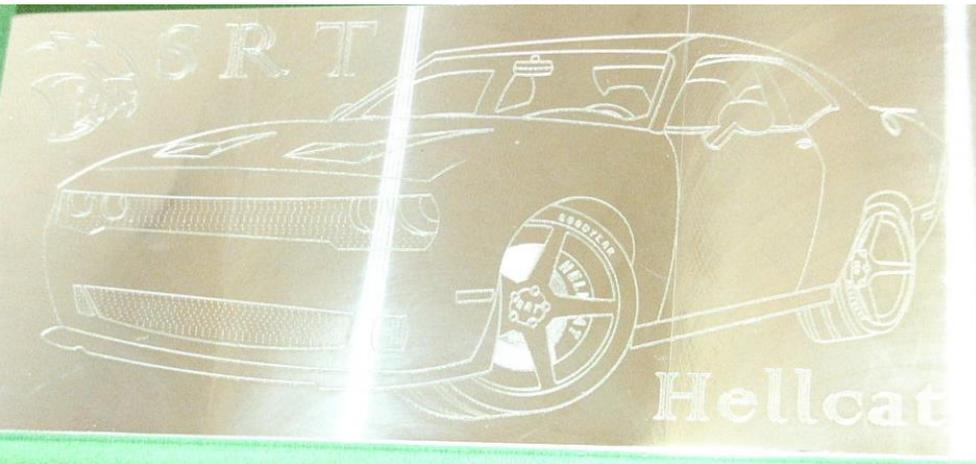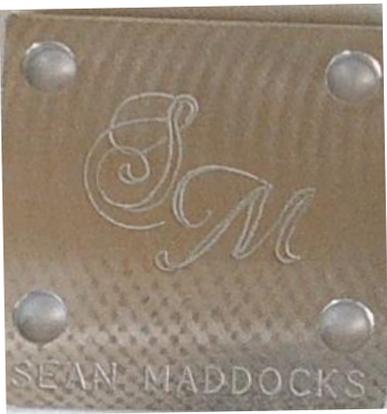
Life After Release

RCI students receive 14 Gateway Technical College credits when they complete the CNC courses.

What comes next? Options include:
- Apply the credits toward the 30-credit CNC Production Technician diploma at GTC
- Apply the credits toward other technical college programs
- Apply for continuing education scholarships
- Enter the workforce as a CNC operator/setup (with the potential for tuition reimbursement through their employer)
- Enter into a company-sponsored Wisconsin CNC Apprenticeship

Career Outlook

CNC careers are in high Demand

Positions available:

1. CNC Operator
- Starting position with minimal experience or CNC certification
- Average wage $10-$17

2. CNC Machine Setup
- Next step after operator
- Average wage $15-$25

3. CNC Programmer
- Machine Programmer and job requirements vary from companies
- Average wage $20-$40

4. Quality Control
- Quality control Technician
- Average wage $15-$25

Through correspondence from released RCI CNC students, starting wages were anywhere from $15-$21 and they were qualified to Program/Setup/Operate machines

RCI Program Outlook

With the continued support from the state, the partnership between the Department of Corrections and Gateway Technical College can only grow.

Future Prospects:
- New equipment allows for the expansion of curriculum and certificate offerings
- New lab space can accommodate more students and innovative teaching methods with more exposure to industry-relevant experiences
- Potential for pre-release mock (or actual) interviews
- Exposure to CNC job offerings through the RCI job center

Jobs Outlook
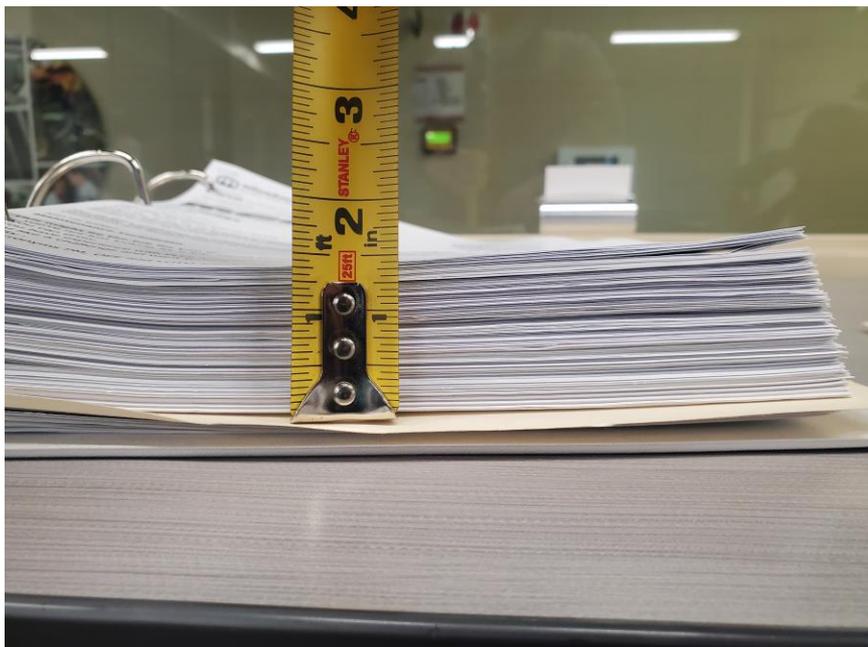
Job Titles

- Mechatronics Technician
- Electro-mechanical Maintenance Technician
- Automation Technician
- Maintenance Technician
- Service Technician
- Automated Systems Technician
- Maintenance Mechanic
- Industrial Maintenance Mechanic

- Starting wages are between $20-$25/hour

Local Supporting Employers

- InSinkerator

- Allan Integrated Control Systems

- Conagra

Brochure

[Brochure link](#)

Curriculum

Gateway Technical College "Mechatronics" Certificate Course list:

Courses taught by Gateway Technical College:

Course Number	Course Name	College Credit	Hours of Instruction
620-310	Industrial Controls for Maintenance	2	60
612-102	Pneumatics / Hydraulics, Intro	3	60
628-310	Mechanical Skills 1	2	60
664-110	Mechatronics, Intro to	2	45
620-303	Motors & Industrial Electrical Systems	3	90
620-311	PLCs and HMIs	2	60
628-411	Industrial Robotics, Intro to	1	40

Total hours   415

Additional Courses taught by Gateway Technical College

Course Number	Course Name	College Credit	Hours of Instruction
804-370	Applied Math 1	2	60
801-301	Writing Principles	1	30

Total hours   90

Total hours of Gateway Instructed Courses = 505 hours
Total College Credits of Gateway Instructed Courses = 18 credits

Pneumatic Hydraulic Equipment

Electrical Basics Equipment

Mechanical Skills Equipment

Automation Equipment

Automation Equipment
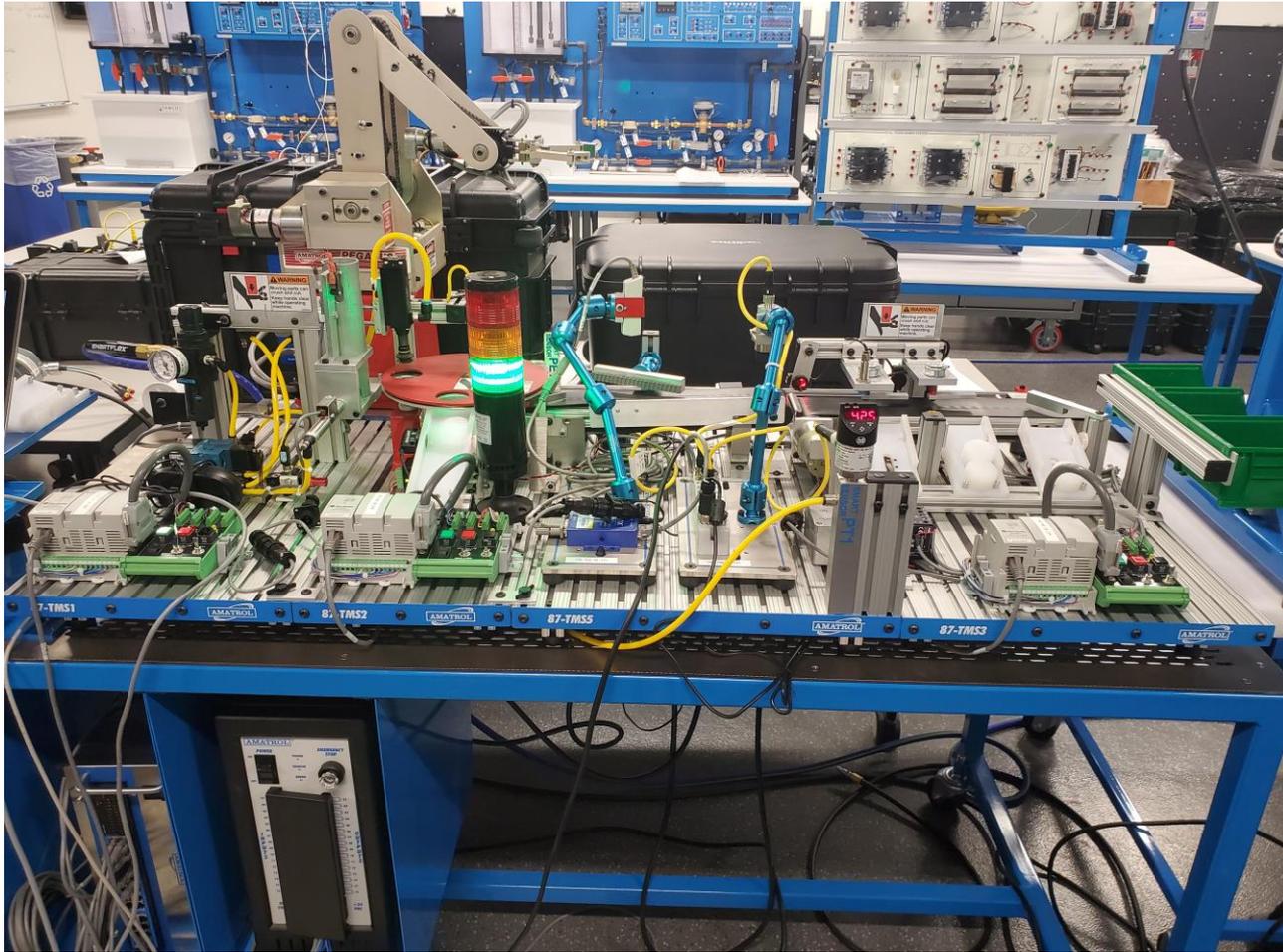
Build Your Own Equipment

Build Your Own Equipment

Robot Equipment

MOBILE WELDING LAB-TCI

MORAINE PARK
TECHNICAL COLLEGE

MARY DAVIES
ASSOCIATE DEAN OF ECONOMIC AND WORKFORCE DEVELOPMENT

MATT VIRTANEN
WELDING INSTRUCTOR AT MORAINE PARK TECHNICAL COLLEGE

MORAINE PARK
TECHNICAL COLLEGE

CREDITS AND COURSES

- Occupational Math (2 credits) Taught by TCI instructor

- Welding Theory and Safety (1 credit)

- Welding Blue Print Reading (2 credits)

- GTAW 1 (2 credits)

- GMAW 1 (2 credits)

- Teambuilding and Problem Solving (3 credits)

- 12 total college credits

MORAINE PARK
TECHNICAL COLLEGE

CAREER PATHWAY

- Foundational Welding certificate

- Students can return to MPTC and complete the internship

- All courses align with welding technical diploma program

MORAINE PARK
TECHNICAL COLLEGE

CAREER OPPORTUNITIES

- Prepared for entry level welding positions

- GTAW and GMAW

MOBILE LAB

- Began in spring of 2019

- Eight welding booths

- 25 students have completed in 5 cohorts

MORAINE PARK
TECHNICAL COLLEGE

MOBILE LAB

MORAINE PARK
TECHNICAL COLLEGE

MPTC-TCI PARTNERSHIP

Jennifer McDermott- Warden, Kalen Ruck- Deputy Warden, Jason Lederhaus- Education Director, Bonnie Baerwald- MPTC President, Mary Davies- Associate MPTC Dean of Economic and Workforce Development, and Beau Gellings- MPTC Business Representative of Economic and Workforce Development.

CONTACT

Mary Davies- mdavies3@morainepark.edu

Matt Virtanen- mvirtanen@morainepark.edu

MORAINE PARK
TECHNICAL COLLEGE

Council on Offender Reentry

June 16, 2021

Mr. Kevin Hoeltzle
Program Head – IoT and MRET Programs

Ms. Britt Pagor
Data Specialist – Business & Industry Services

Western
Technical College

Wisconsin has a 3-year recidivism rate of 31.3% coupled with a skilled workforce shortage

REGIONAL ADVANCED MANUFACTURING TECHNICAL JOB POSTINGS ARE HIGHER THAN NATIONAL AVERAGE

CORRECTIONAL EDUCATION PROGRAMS LOWER RECIDIVISM

Electromechanical Maintenance Technician

- Installing Production Equipment

- Servicing motors, conveyors, sensors, and any production-related equipment

- Troubleshooting mechanical breakdowns

- Adjusting mechanical parts using hand and machine tools

- Conduct preventive maintenance and safety checks

Western
Technical College

Workforce Need in WI

More than 500 jobs were found that match your search criteria. Please refine your search.

Title	Location	Date Posted
Industrial Maintenance Technician 🔥 SEATS INC Pay: $20.00 Per Hour to $28.00 Per Hour Source: Job Center of Wisconsin	Reedsburg	01/15/2021
Industrial Maintenance Reliability 🔥 SCA NORTH AMERICA Pay: $28.10 Per Hour Source: Job Center of Wisconsin	Madison	02/19/2021
Industrial Maintenance Reliability 🔥 SCA NORTH AMERICA Pay: Based on Experience Source: Job Center of Wisconsin	Madison	01/28/2021
Maintenance Technician HEARTLAND LABEL PRINTERS INC Pay: Negotiable Source: Job Center of Wisconsin	Little Chute	01/13/2021
Maintenance Technician 2nd shift HEARTLAND LABEL PRINTERS INC Pay: Negotiable Source: Job Center of Wisconsin	Little Chute	12/04/2020
Maintenance Technician AMCOR FLEXIBLES LLC Pay: Based on Experience Source: Job Center of Wisconsin	Madison	12/04/2020
Maintenance Technician 🔥 AEROTEK Source: USNLX	Sun Prairie	02/11/2021
Maintenance Mechanic - 2nd and 3rd Shift Available 🔥 NESTLE	Medford	01/25/2021
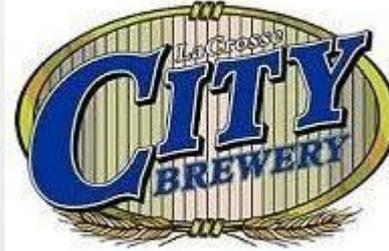
PROJECT PARTNERS:
DEPARTMENT OF CORRECTIONS (DOC)
WESTERN TECHNICAL COLLEGE
DEPARTMENT OF WORKFORCE DEVELOPMENT (DWD)

Department of Corrections

- 19,414 people in the care of DOC in Wisconsin (as of 4/30/21)
  - Western Technical College region - 2 medium security institutions
- Jackson Correctional Institution
  - Randy Scott, Education Director
  - 1 technical program / 2 new in process
- New Lisbon Correctional Institution
  - Sarah Goodman, Education Director
  - 5 technical programs

Department of Workforce Development

- Access to state workforce job training funds to support equipment
- Access to job center resources
- Wrap around support services
- Job Center onsite at NLCI

Western Technical College

- Business, Industry, and Employer Input

- Technical Expertise

- College Credit

- Career Pathways

- Accessibility to Quality & Relevant Instruction

Electromechanical Service Certificate

Course Title	Credits
Intro to Mechatronics	2
Intro to Industrial Control Systems	2
Industrial Electricity	2
Fluid Power Fundamentals	2
Mechanical Drives	2
Basic PLC Programming with Digital	2
PLC Applications	2
	14

* PLC – Programmable Logic Controller

Electromechanical Technology Content Area

- The full associate degree program emphasizes the application of control systems that integrate computers, hydraulics, pneumatics, motor controls, robotics, and mechanical drives to perform an automated process. Maintenance skills including mechanical, electrical, welding, and machining are also developed.

Transferability to Other Programs

- 3 Associate Degree Program Transfer Options
  - Mechatronics Robotics Engineering Technician
  - Electromechanical Technology
  - IoT Integration Specialist
- The Industry 4.0 courses in the certificate also transfer to other WTCS colleges that share these common core courses

Western
Technical College

The Classroom

- Mobile skills labs have the flexibility to reach students due to their inherent mobility
- Having a subject matter expert and equipment vendor throughout the process
  - Lab Midwest - Mequon, WI
- The curriculum and equipment must meet industry and educational standards of excellence

The Student

- Closing Achievement Gaps

  – We give traditionally underserved students a clear path to an education in a growing and life sustaining field

- Reading Readiness is Key

  – Entry to the program is based on 10th grade level of readiness

- Entry level skills to secure employment - upskilling done by employers

The Instructor

Mike Boyko

- All Western Technical College instructors are required to have industry experience in the field they are teaching

- The instructor must be adaptable and able to think outside the box

- We have had success with veterans as instructors

- The instructor must be a model for success, not a mirror of the student's circumstance

Western
Technical College

Keys to Success / Lessons Learned

- Scale the project – begin with a pilot program in existing DOC classrooms

- Work on class resource security protocols early in the process

- Engage with the correctional officers

- Do not stereotype that all DOC students will have an interest in your program

Western
Technical College

Keys to Success / Lessons Learned

- Marketing support to recruit students

- Host advisor visits from Western

- Host employer visits and/or virtual tours

- Ensure modern Internet access for equipment, students, and faculty before going live with the project
  - Amatrol Learning Management System (LMS)
  - PLC trainers
  - Additional equipment if expanding program