

Joint Education Appropriations Committee

January 27, 2015

1. Battelle Report 2014:

- Demand for Skilled Workforce:
 - Iowa is the 4th oldest state in the nation.
 - Iowa's working-age population is declining.

2. What are our solutions?

- Leveraging your investments:
 - Intermediary
 - AEL (Adult Education & Literacy)
 - PACE (Pathway for Academic & Employment)
 - GAP Tuition Assistance
 - WTED (Workforce Training and Economic Development)
- Iowa-Advanced Manufacturing (I-AM) Consortium
- Partnership with Iowa Association of Business and Industry
- Stackable credentials
- Pathways for high school students: targeted sequence of classes
 - STEM, Manufacturing, IT, Health, Business
- Career facilitation
- Home Base Iowa

3. Bottom line:

- Commit to Complete. Complete to Compete
- Career ready and College ready
- Economic development: recruiting, retaining, growing businesses
- Community vitality: lifting the middle class, increasing wealth
 - Nearly 84% of Iowa's community college graduates remain in Iowa
- Purpose + Engagement + Hope = Success

JEREMY HIRSCH

BEFORE NICC: Under-employed, High School Dropout, Single Parent
AFTER NICC: High School Equivalency Diploma (HSED) Recipient, Welding Graduate, Mechatronics Student



AMY COVELL

BEFORE NICC: High School Student
AFTER NICC: Certified Nurse Aide (CNA) Graduate, Employed

Jeremy completed his HSED in 16 days!

Jeremy worked with a Career Coach to enroll in career pathway certificates in Welding and Mechatronics.

Jeremy was eligible for GAP tuition scholarship.

Jeremy may transfer his Welding and Mechatronics certificates into the College's Associate of Applied Science-Industrial Maintenance Technician program.

Work-based Learning Intermediary Network

Outcomes:

In FY14, Northeast Iowa Community College established the Career Learning Link program, hired a director and served more than 700 students and educators in workplace tours and career programming.

Adult Education & Literacy (AEL)

Outcomes:

In FY14, 607 students enrolled in AEL programs and 144 completed a High School Equivalency Diploma (HSED).

Pathways for Academic Career & Employment (PACE)

Outcomes:

In FY14, 133 students completed a HSED, certificate or degree program through PACE support, with an overall employment rate of 98 percent. 267 students were served overall by the program.

GAP Tuition Assistance

Outcomes:

In FY14, Northeast Iowa Community College served 82 approved GAP participants, with an employment rate of nearly 90 percent.

Workforce Training and Economic Development (WTED) Fund

Outcomes:

In FY14, 636 students completed training in programs supported by WTED funds and expanded Project Lead the Way and career academies in Welding and CNC.

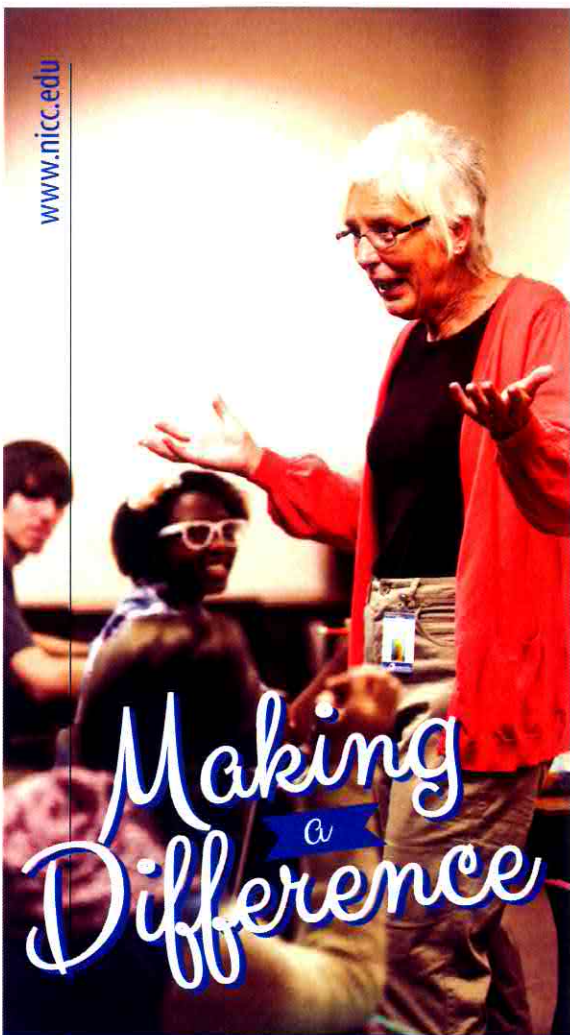
Amy participated in Credit and Careers program to earn her CNA during summer while still in high school.

Amy worked with a Career Coach to prepare for written exam after not passing initially and to learn job seeking skills to obtain local employment.

Amy may choose to ladder her Certified Nurse Aide certificate into nursing programs supported by health simulation labs partially supported by WTED funds.

Learn More. Liang Chee Wee, Ph.D. | President, Northeast Iowa Community College | weel@nicc.edu | 563.562.3263, ext. 201





Northeast Iowa Community College (NICC) thanks the State of Iowa for its support of workforce development and education programs in FY2014 that allow us to design and implement workforce solutions to put students into family-sustaining careers, fill the middle-skill needs of local employers and build the career pathways necessary to ensure the economic vitality of our communities.



\$96,667

Work-based Learning Intermediary Network

funds support community college partnerships with K-12 districts to educate students, educators and parents about high-demand careers in Iowa through employer-based learning opportunities.

Additional Support:

Northeast Iowa Community College and its partners were awarded a \$2.8 million Department of Labor Youth CareerConnect grant to enhance intermediary efforts and reach more students.



\$232,411

Adult Education & Literacy (AEL)

funds support students in our district to achieve a High School Equivalency Diploma (HSED) or obtain English language instruction. More than 13,000 adults over the age of 25 do not have a high school diploma, a significant barrier to a family-sustaining career.

Additional Support:

With state funding as match, Northeast Iowa Community College was able to obtain more than \$200,000 in additional grant funding to support Adult Education and Literacy efforts.



\$246,844

Pathways for Academic Career & Employment (PACE)

funds provide career coaches at Northeast Iowa Community College to support low-income, low-skilled students on a career path to family-sustaining employment.

Additional Support:

PACE funds helped Northeast Iowa Community College expand its success model, piloted through part of an \$11 million Round 1 Department of Labor TAACCCT grant to train students in the healthcare sector.



\$99,199

GAP Tuition Assistance

provides tuition funds for career pathway certificates that are not eligible for federal financial aid. These certificates lead to employment in high-wage, high-growth jobs or transfer into academic programs at Northeast Iowa Community College.

Additional Support:

Through GAP, NICC attracted more than \$200,000 in community and employer investments to fund additional student certificates through the College's Opportunity model, a five-step process from orientation to job placement.



\$676,112

Workforce Training and Economic Development (WTED) Fund

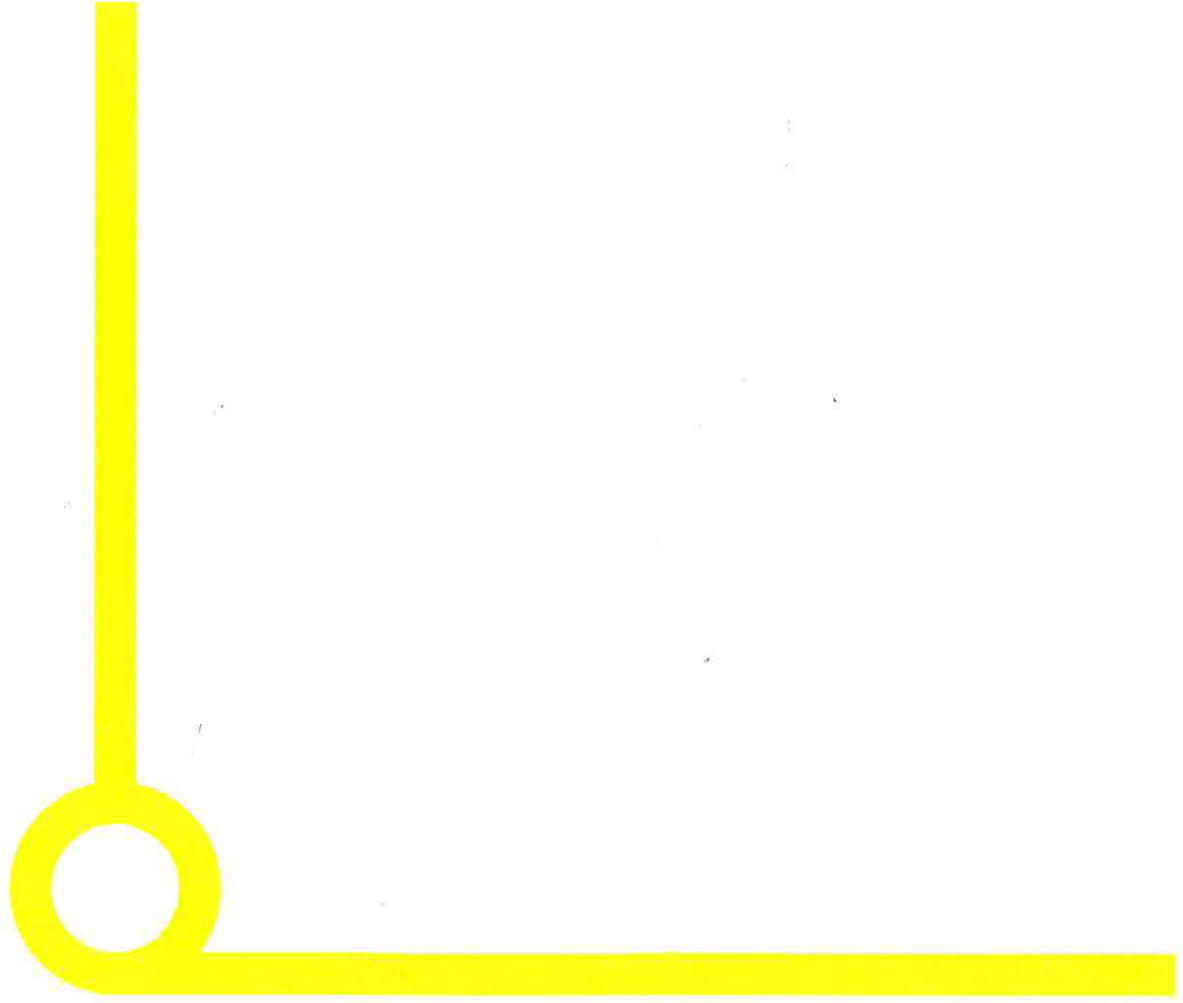
helps Northeast Iowa Community College finance new programs and increased training capacity in high-growth technical areas.

Additional Support:

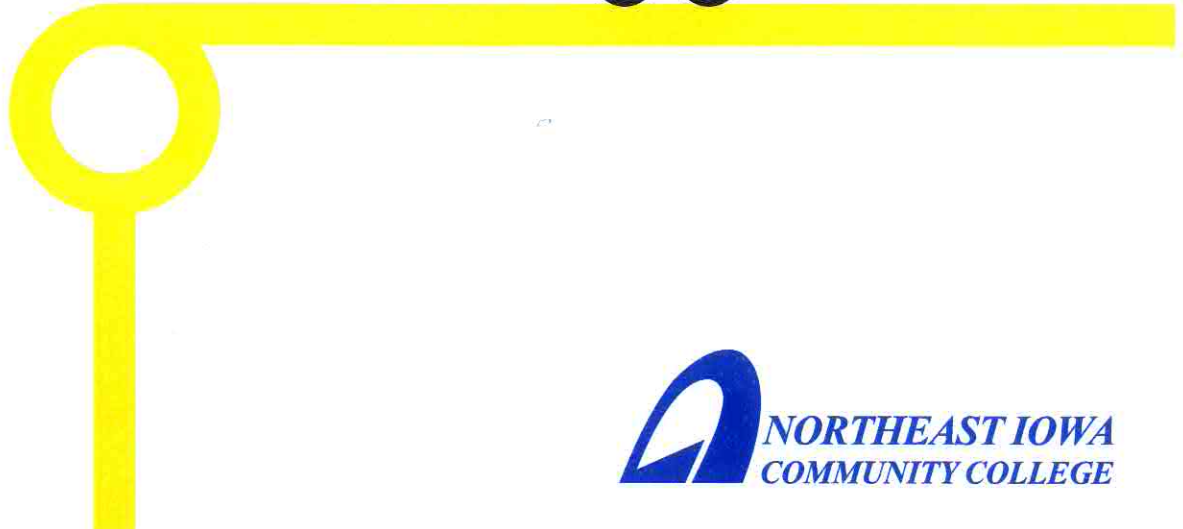
WTED funds provide instructors and equipment to support Iowa's \$13 million Department of Labor Round 2 TAACCCT Grant, known as I-AM, to grow workforce in advanced manufacturing.

Learn More. Wendy Mihm-Herold, Ph.D. | Vice President, Northeast Iowa Community College | mihm-heroldw@nicc.edu | 563.562.3263, ext. 221





STEM, Advanced Manufacturing and Construction Technology Career Pathway Map



Northeast Iowa Community College STEM, Advanced Manufacturing and Consti

ENTRY POINT

There are many ways to start your education at Northeast Iowa Community College. Choose your starting point and explore the paths available to help you reach your goals.

High School

Career & Technical Courses:

- AWS Practice Weld Lab 1A & 1B
- Basic Arc Welding (SMAW)
- Basic Construction Skills
- Basic Drafting
- Basic Gas Metal Arc Welding (GMAW)
- Business Law I
- Cabinet Making
- Construction II & Lab
- Flame and Plasma Cutting Fundamentals
- Gas Tungsten Arc Welding
- Introduction to CAD: AutoCAD
- Introduction to Computer Business Applications
- Introduction to Computers
- Introduction to Data Processing
- Job Seeking Skills
- Machine Operations I
- Maintenance Welding
- MSSC Quality Practices and Measurement
- Principles of Management
- Principles of Marketing
- Welding Blueprint Reading
- Welding Fundamentals

General Education Courses:

- Calculus I
- College Algebra
- College Physics I
- Composition I
- Elementary Algebra
- Environmental Science
- Foundations of Writing
- General Biology I & II
- Introduction to Bioscience Technology
- Precalculus
- Psychology of Human Relations
- Public Speaking
- Statistics
- Survey of Physics
- Technical Math
- Workplace Communication

www.nicc.edu/hspartnerships

Adult Education and Literacy

- High School Equivalency Diploma (HSED)
- English for Speakers of Other Languages (ESOL)
- Adult Basic Education (ABE)

Employment

- Skill Advancement
- Unemployed
- Under Employed



NORTHEAST IOWA COMMUNITY COLLEGE

Once you start your education with Northeast Iowa Community College, there are several paths for you to pursue to continue your education.

www.nicc.edu

Manufacturing Technology: Career Pathway Map

Career Pathway Certificates

Certified Production Technician
 Computer Numerical Control (CNC) Operator
 Industrial Spray Painting
 Mechatronics Specialist
 Welding GMAW
 Welding Basic

Career Pathway Certificate: **Credit Transfer**

2 credits		Computer Numerical Control (CNC) Machinist Technician, Diploma
8 credits		Electives
7 credits		Computer Numerical Control (CNC) Machinist Technician, Diploma
13 credits		Industrial Maintenance Technician, Diploma
23 credits		Industrial Maintenance Technician, Associate of Applied Science
6 credits		Welding, Diploma
4 credits		Welding, Diploma

Diploma Programs

Building Materials Management
 Carpentry
 Commercial/ Residential Electrician
 Computer Numerical Control (CNC) Machinist Technician
 Gas Utility Construction and Service
 Heating and Air Conditioning
 Industrial Maintenance Technician
 Welding
 Wind Turbine Repair Technician

Certificate Programs

Carpentry | Cabinet Making
 Finishing Skills
 Floor and Framing Skills
 Foundation Skills
 Computer Aided Design (CAD) Specialist

EMPLOYMENT and CONTINUING EDUCATION

Career Services can help you in your job search.

www.nicc.edu/careerservices

Business and Community Solutions offers many licensure, certification, professional and personal enrichment courses.

www.nicc.edu/solutions

Associate of Applied Science Programs

Construction Technology
 Electronic Technology
 Gas Utility Construction and Service
 Industrial Electrician
 Industrial Maintenance Technician
 Laboratory Science Technician
 Mechanical Engineering Technology
 Wind Turbine Repair Technician



TRANSFER and ARTICULATION

Northeast Iowa Community College has numerous articulation agreements in place with other educational institutions to make the transfer process as seamless as possible.

www.nicc.edu/transfer

University of Northern Iowa | Technology Management Program

- Manufacturing Technology
- Construction Management
- Technology and Engineering Education
- Electrical Engineering Technology

Upper Iowa University | Industrial Technology Teacher Education



Learn More.

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