

High Skills, High Pay for Less Than a Four-Year College Degree

Dr. Jeffrey Rafn, President

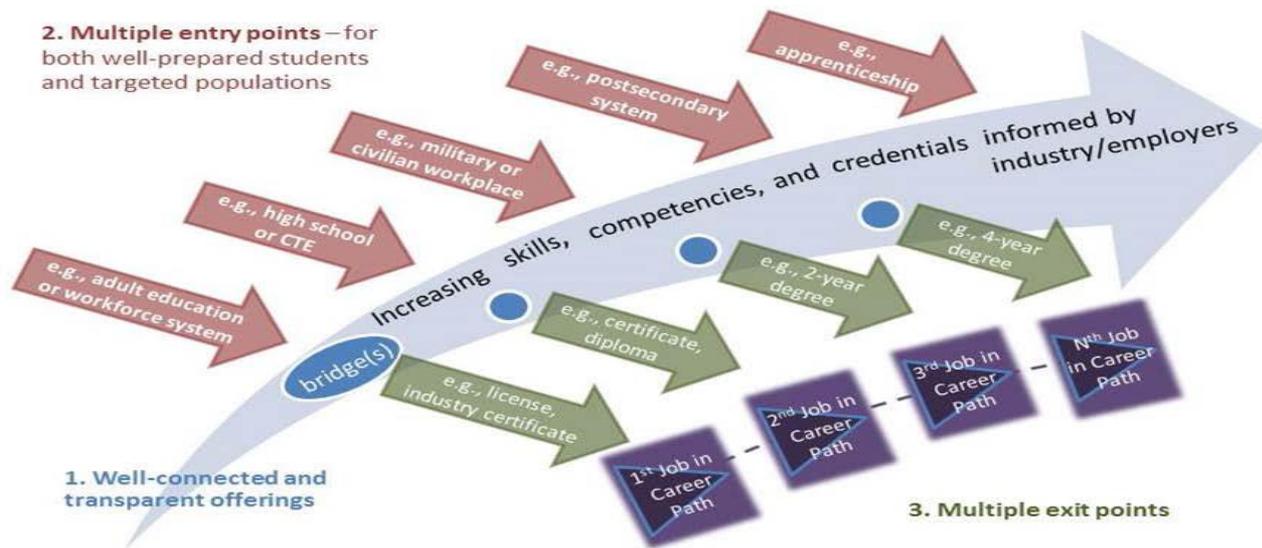
Northeast Wisconsin Technical College

September 21, 2016





Career Pathways Model





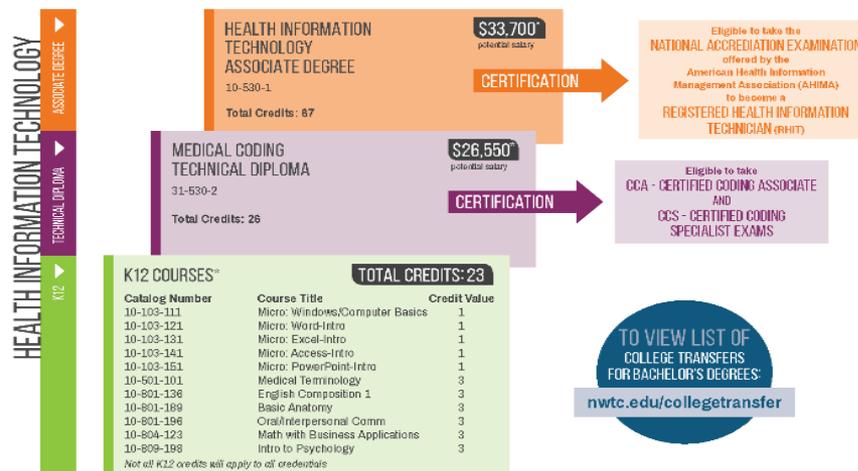
HEALTH SCIENCES THERAPEUTIC SERVICES

Wisconsin Ti

2015-2016



HEALTH INFORMATICS



TO VIEW LIST OF COLLEGE TRANSFERS FOR BACHELOR'S DEGREES:
nwtc.edu/collegetransfer

Start here.
GO ANYWHERE.

*Source: Salary information found at Indeed.com, December 2014.



INFORMATION TECHNOLOGY

NETWORK SYSTEMS



2015-2016

NETWORK SPECIALIST ASSOCIATE DEGREE

NETWORKING CERTIFICATE

K12 COURSES*

NETWORK SPECIALIST: IT ASSOCIATE DEGREE
10-150-2
Total Credits: 69
\$56,400* potential salary

NETWORKING CERTIFICATE
61-119-1
Total Credits: 18
\$41,600* potential salary

CERTIFICATION → Eligible to pursue vendor certification as a NETWORK ENGINEER

K12 COURSES* **TOTAL CREDITS: 18**

Catalog Number	Course Title	Credit Value
10-150-163	IT Network Class 1	3
10-150-174	IT Network Client Operating Systems	3
10-150-150	IT Support Hardware Intro	3
10-801-136	English Composition 1	3
10-801-186	Oral/Interpersonal Comm	3
10-808-189	Psychology of Human Relations	3

*Not all K12 credits will apply to all credit/units

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INTERACTIVE MEDIA

WEB DEVELOPMENT ASSOCIATE DEGREE

WEB APPLICATION PROGRAMMING TECHNICIAN TECHNICAL DIPLOMA

WEB DESIGN TECHNICAL DIPLOMA

K12 COURSES*

WEB DEVELOPMENT ASSOCIATE DEGREE
10-152-2
Total Credits: 66
\$57,700* potential salary

WEB APPLICATION PROGRAMMING TECHNICIAN TECHNICAL DIPLOMA
31-152-3
Total Credits: 31
\$37,000* potential salary

WEB DESIGN TECHNICAL DIPLOMA
31-152-2
Total Credits: 26
\$37,000* potential salary

K12 COURSES* **TOTAL CREDITS: 15**

Catalog Number	Course Title	Credit Value
10-111-101	Macintosh-Image Editing	3
10-162-185	Website Coding	3
10-801-136	English Composition 1	3
10-801-186	Oral/Interpersonal Comm	3
10-808-189	Psychology of Human Relations	3

*Not all K12 credits will apply to all credit/units

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Manufacturing Operations Management

- Designed by local industry, the Manufacturing Operations Management is a unique associate degree program that meets the needs of the workplace through a combination of supply chain, quality, lean, leadership, and supervisory skills.
- Combination of existing curriculum from our Trades & Engineering Technology and Business & Information Technology departments
- Intended audience/focus is on leadership for a machinist, welder, assembler who has “15” years of experience working on a machine, but is seeking to move into a supervisory role in the world of manufacturing

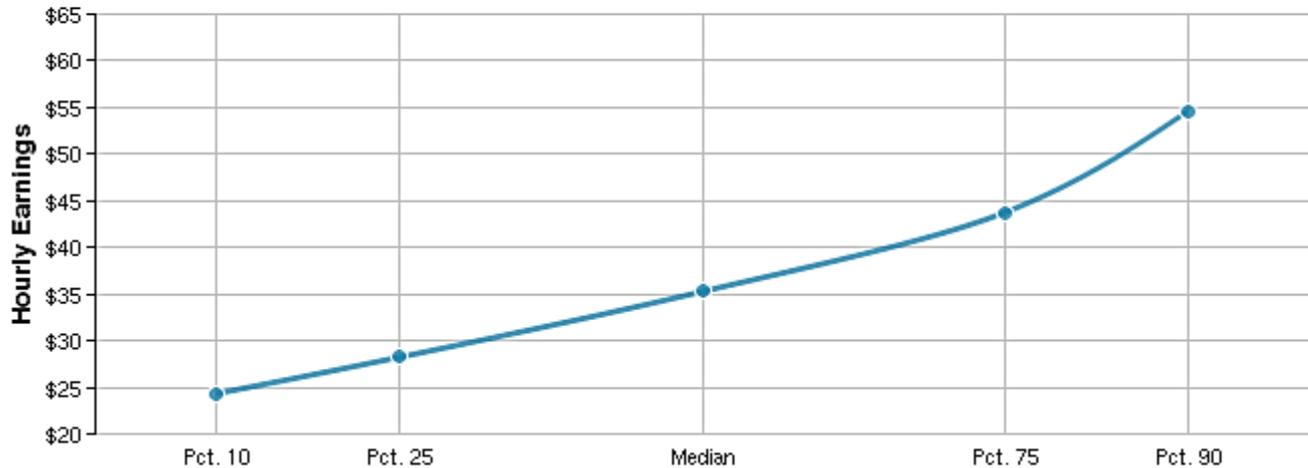


- Opportunities for an 18-year old? Possibly. Students can certainly complete the program, but would not be hired immediately into a supervisor role. They could be a supervisory helper, production assistant, or help in quality control in order to develop systems thinking and understanding for the company.
- Supervision Certificate feeds into the Leadership Development Associate Degree, which is a part of the Manufacturing Operations Management program
- Is offered as an NWTC Exceler8 program for working adults in need of evening classes, over 8 weeks or less.



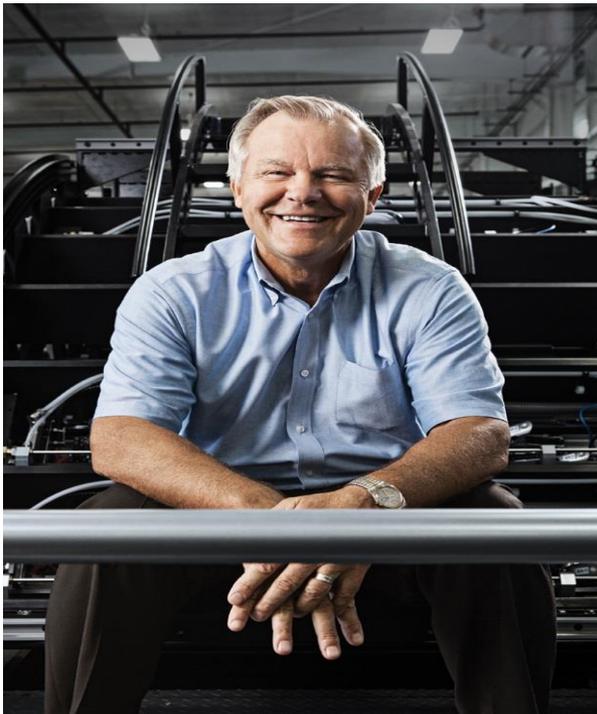
NWTC District Specific

\$24.33/hr 10th Percentile Earnings	\$35.26/hr Median Earnings	\$54.58/hr 90th Percentile Earnings
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Founder of Manufacturing Alliance Visionary Paul Rauscher





The **Vision** of the Alliance is to have northeast Wisconsin recognized as a world leader in advanced manufacturing opportunities.

Alliance Goals

- Increasing the pipeline of manufacturing talent
- Improving the image of manufacturing careers
- Connecting K-16 and media
- Advancing collaborative efforts that promote the health of manufacturing



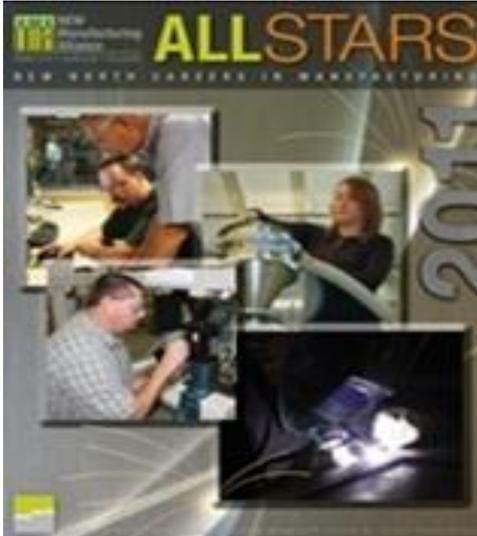
Measure of Success: Technical College Manufacturing Enrollments:

1. Electro-Mechanical:
 - From 51 to 131 graduates per year
2. Machining
 - From 180 to 513 graduates per year
3. Welding
 - From 193 to 734 graduates per year



New Engineering Technology Degree Programs the Alliance Partnered with New North Colleges and Universities

- Electrical Engineering Technology B.S.
- Environmental Engineering Technology B.S.
- Manufacturing Engineering B.S.
- Mechanical Engineering Technology B.S.
- Total Enrolled: **Over 150!**





BAY LINK MANUFACTURING



A PARTNERSHIP LINKING EDUCATION AND MANUFACTURING

- Exploration to Implementation: Discovery Team to Dream Team
- Project overview & rationale for relevant, real-world experience
- Value of partnership: academic & business/industry
- Curriculum overview from middle school to high school
- Dual credit opportunities infused into Bay Link
- Opportunities for secondary and post-secondary students to work together
- Anticipated outcome of college and career ready students

