

**REGISTER
NOW!**

The Advanced Manufacturing Series

Get in. Get out. Get to work!

GRCC's Workforce Training offers a just-in-time series of workshops designed for both entry level and experienced manufacturing professionals.

Whether you take the series or just one course; each short and relevant workshop focuses specifically on growing your knowledge and skills. The ultimate goal is to impact the quality and profitability of your company, while also investing in your career.

From print reading and interpreting, to inspecting final goods, your skills are critical to providing a consistently high-quality product. Each quick module allows you to focus on a specific skill which will help you better execute your manufacturing responsibilities.

⚙️ Core Courses:

- Lean Manufacturing Overview
- Blueprint Reading for Manufacturing I
- Basic Metrology and Measurement System Error
- Problem Solving - 8 Steps and 5 Whys

⚙️ Elective Courses:

- Manufacturing Terminology, Processes, and Practices
- Blueprint Reading for Manufacturing 2
- Working Better in Teams
- Quality Products and Quality Management Systems
- Statistical Process Control - SPC 1
- Statistical Process Control - SPC 2

grcc.edu/workforcetraining

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GRAND RAPIDS COMMUNITY COLLEGE

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The grant is funded through the Trade Adjustment Assistance Community College and Career Training Grant - US Department of Labor and runs through September of 2016. This workforce solution was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The solution was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. Grand Rapids Community College and MCAM is an equal opportunity employer/program provider. Auxiliary aids and services are available upon request to individuals with disabilities. TTY users please call 1-877-878-8464 or visit www.michigan.gov/mdcr.

This publication is available in alternative formats upon request. Please contact Workforce Training for more details.

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Pathways to Manufacturing

In just five weeks, individuals are trained and prepare for entry-level careers in Advanced Manufacturing.

The Pathways to Manufacturing program not only focuses on technical skills but also includes employability skills and job readiness prep. Training is delivered in an active learning environment. Students are expected to fully participate in lab activities, site visits as well as online learning and assessment.

This training offers the opportunity to earn all of the following certifications:

- Manufacturing Skills Standards Certification (MSSC) – Certified Production Technician (You will receive two of the four certifications.)
- OSHA 30 hour safety certification
- First Aid/CPR certification
- National Career Readiness Certificate
- GRCC Advanced Manufacturing Certification

For more information call
(616) 234-3400.



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Stitch together a new career in the growing field of **Industrial Sewing**

If you enjoy working with your hands, there are over 25 jobs currently available in the West Michigan area for individuals with training in industrial sewing.

This is due, in part, to the rising cost of shipping, which is why local companies are now bringing back jobs in the sewn product industry. This includes everything from apparel, military products, medical industry products, as well as automotive and recreational vehicle items.

This certified program gives you a great advantage in obtaining the jobs that are available, many of which offer high wages.

"82% of manufacturers need skilled labor. 13% increase from 2007-2012."

—According to CNBC (Jan 10, 2014)

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Dates:

Sept. 29-Nov. 19, 2015
Tue. - Thu., 8:30 a.m.-5:00 p.m.

Interview: Nov. 20, 8:00 a.m.-1:00 p.m.

Class location:

Blue Marble Threads/
Steepletown Neighborhood Center
671 Davis NW #4
Grand Rapids, MI 49506

You will learn:

- Sewing Machines and Overlocks
- Introduction of Sewing Process for Production
- Safety & Ergonomics for Sewing
- Basic Sewing Techniques for use in manufacturing
- Sewing Math & Measuring
- Sewing Equipment & Operation (industry rotations)

Unique program features:

- Training is hands-on
- Class meets from 8:30 a.m.-5:00 p.m. for eight weeks
- Cost: \$150

For more information contact:

Grand Rapids Community College
Leslie E. Tassell M-TEC
622 Godfrey Ave. SW
Grand Rapids, MI 49503

(616) 234-3400
grcc.edu/industrialsewing

Search: Industrial Sewing

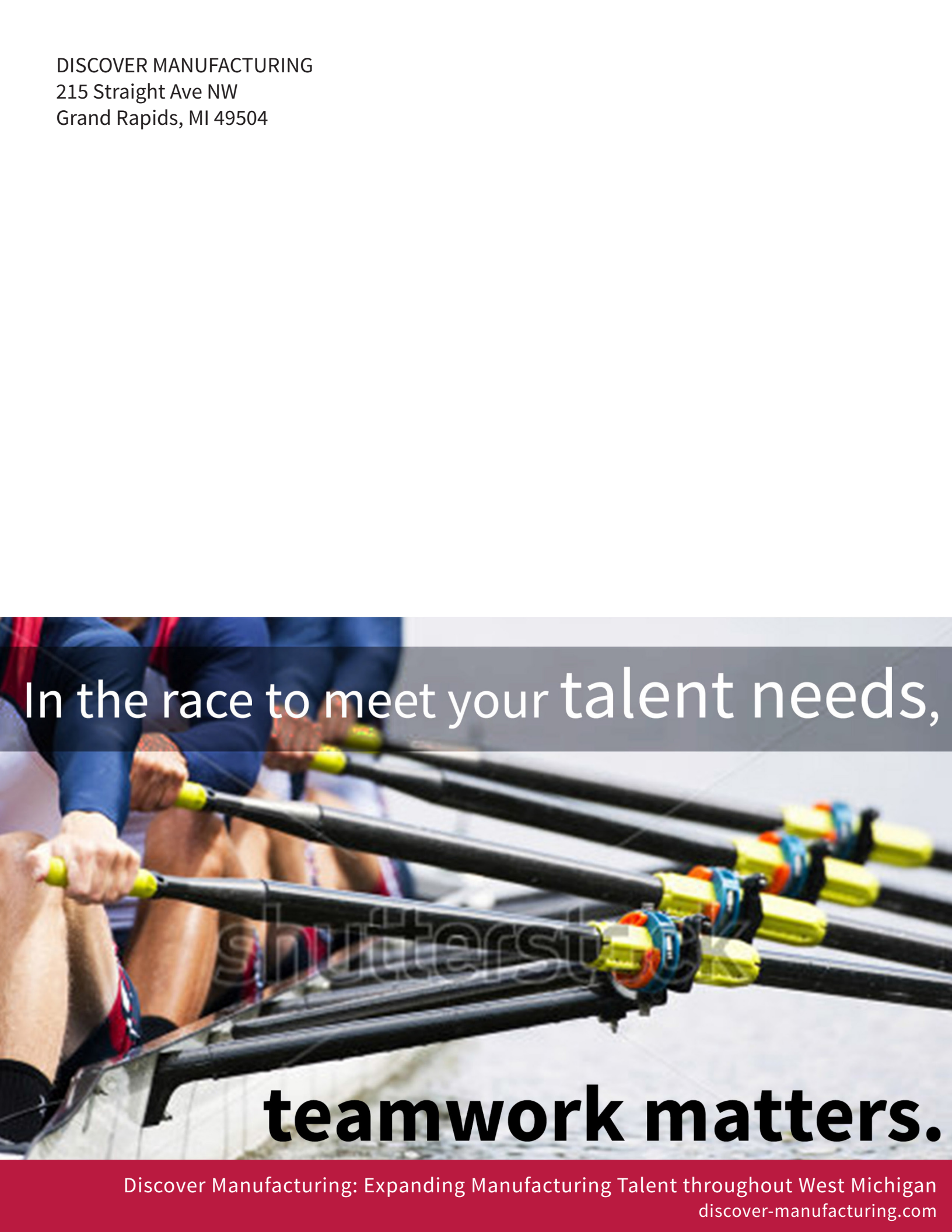
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DISCOVER MANUFACTURING
215 Straight Ave NW
Grand Rapids, MI 49504



In the race to meet your talent needs,

teamwork matters.

Discover Manufacturing: Expanding Manufacturing Talent throughout West Michigan
discover-manufacturing.com

You don't need to solve your talent challenges alone.

Discover Manufacturing is a dedicated team of workforce, economic development and educational experts **and business leaders like you**, working together to meet our region's manufacturing talent needs.

Discover Manufacturing is:

■ using data and credentialing to align and connect talent

Discover Manufacturing maintains real-time knowledge of local training programs, enrollment and capacity, as well as employers' talent needs. Connecting the two aligns employer talent demand with supply.

Michigan Work Ready Communities • West Michigan Talent Demand

■ promoting manufacturing careers to future talent

We need to get students excited about viable, long term careers in manufacturing. In order meet demand, we connect with school counselors, teachers and parents to dispel misperceptions about careers in manufacturing.

Talent Tours • Discover Manufacturing Today Challenge • National Manufacturing Day • Career Quest

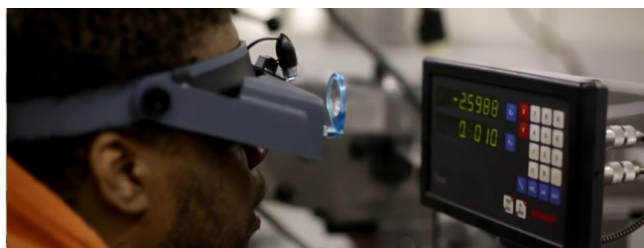
■ leveraging training dollars and directing curriculum to create a pool of qualified talent

Through your active participation in **Discover Manufacturing**, you can stay up to date on current training activities and state workforce development initiatives as well influence training dollars, local community college curriculum and other training programs.

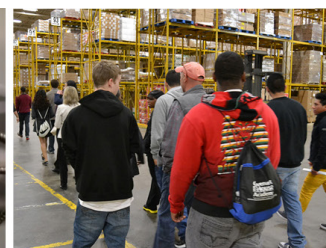
AMP (Advanced Manufacturing Partnership) • M-CAM (MI Coalition for Advanced Manufacturing Grant) • Federal and State Training Funds



2014 Video Challenge



Advanced Manufacturing Partnership



Talent Tour



STTF Funds at Work

For more information or to join the team...

- Contact Michael Blakley at 616-648-8646 or mblakley@michiganworkska.org
- Visit discover-manufacturing.com

The Right Place | MMTC-West
MANUFACTURERS COUNCIL

MICHIGAN WORKS!
Kent & Allegan Counties



GRCC
1914 - 2014 GREAT PAST. BRIGHT FUTURE.

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What do you want your life to look like?

Good money?

A rewarding career?



Manufacturing can make that happen!

Get the hands on experience you need to land a job with great pay, great benefits and a career track that can take you to the top. If you want a job where you get the satisfaction of creating, building or fixing something; a career in manufacturing is for you. Consider this: most of today's top executives in the manufacturing industry started out where you are –

Exploring skilled trades career pathways.

Grand Rapids Community College has many different pathways to start a lucrative career in manufacturing.

The Advanced Manufacturing Partnership (AMP) program is a collaboration between West Michigan manufacturers, students and GRCC to address the talent shortage the region is experiencing. Companies provide a full-ride scholarship for students to obtain an associate degree while working for the sponsoring company. Students start in entry level jobs (\$12-14 per hour) and have the opportunity to advance based on their schoolwork and performance on the job.

Welding Fabrication Job Training Program

This 18-week, 32-hour-a-week training program gives you level 1 American Welding Society Certifications. You also have the opportunity to earn an OSHA 10 card and First Aid/CPR certification. It prepares you for jobs such as: welders, cutters and brazers. Wages for these positions range from \$12.03-17.03 per hour.

Welding Technology Certificate Program

One-year certification program in welding provides students with a quick way of learning the fundamental skills of welding. Students learn oxyacetylene (gas) welding, arc welding and inert gas-shielded techniques. It prepares you for jobs such as: welders, cutters, welder fitters, structural metal fabricators and fitters. Wages for these positions range from \$12.75-18.58 per hour.

Welding Technology Associates Degree

Get top of the line American Welding Society (AWS) credentials in a two-year welding associate degree program. Graduates of this program have gone to work in the aerospace, boiler and piping, construction and repair welding industries. They are also eligible for testing as associate welding inspectors in the AWS code.

CNC/Precision Machining

This 18-week, 32-hour-a-week training program gives you the opportunity to earn up to three NIMS (National Institute for Metalworking) certifications, plus an OSHA 10-hour card and First Aid/CPR Certification. It prepares you for jobs such as: CNC operators, machinists and programmer. Wages for these positions range from \$15.16-17.35 per hour.



Tooling and Manufacturing Technology Certificate

This one-year certificate program prepares graduates to become certified skilled tradespeople. These positions often pave the way for careers in manufacturing, tool and die, mold making and precision machining.

Tooling and Manufacturing Technology Associates Degree

The tooling and manufacturing program trains technicians for employment in the modern tooling and manufacturing industry. Program graduates are prepared to become manufacturing engineering technicians, skilled tradespersons (tool and die or mold makers) or CNC programmers. Wages for these positions range from \$16-23.50 per hour.

Manufacturing Readiness Program

This 40-hour program prepares you for entry-level careers in the manufacturing sector. Why take it? You get an opportunity to visit manufacturing sites to see what today's manufacturing looks like. Learn basic skills used by manufacturers such as lean manufacturing, quality and basic metallurgy and assembly. Students are guaranteed at least two interviews with manufacturers and receive help creating resumes and preparing for interviews. Wages for these entry-level positions (include team assemblers and production workers) range from \$11-\$13.59 per hour.

Industrial Sewing Program

This 192-hour program prepares individuals for an industry that is returning to the U.S. In this program individuals will be introduced to sewing processes for production, safety and ergonomics for sewing, industrial sewing machines and equipment operation. Sewing jobs in west Michigan are available in the furniture industry, boating industry and shoe industry. Individuals leaving this program are prepared for entry-level sewing positions that range from \$10-19 per hour.

Certified Production Technician (CPT)

The CPT program is 168 hours of classroom and active lab-learning to work in the manufacturing sector. Students have the opportunity to earn the following national credentials: OSHA 30 safety card, Manufacturing Skills Standards Certified (MSSC) CPT-Quality, MSSC CPT-Production, Forklift, and First Aid/CPR certification. Students are guaranteed at least two interviews with manufacturers and are prepared for positions as quality technicians and production technicians. Wages for these positions range from \$14-18 per hour.

Mechatronics Certificate/ Electrical Controls

This certificate program is designed to give a student the basic skills required of an industrial machine service personnel and prepares students to design, install, troubleshoot and repair machine electrical systems with an emphasis in manufacturing equipment. In many fields this position is called multi-skilled technician. This certificate program prepares students for jobs such as Industrial machinery technician. Wages for these positions range from \$15.60-19.86 per hour.

For more information or to enroll visit grcc.edu/jobtraining or call (616) 234-3800.

Leslie E. Tassell M-TEC
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TTY users please call 1-877-878-8464 or visit www.michigan.gov/mdcr.

GRCC Manufacturing Readiness Program

Grand Rapids Community College is offering a short term, accelerated program to prepare you for entry level work in West Michigan Manufacturing.



How will this training help you get a job?

Topics for the class were selected by manufacturing Human Resource Managers. We guarantee you at least two interviews with a West Michigan manufacturer if you successfully complete the class. You will gain understanding of what it means to work in manufacturing and what you need to succeed and grow in that career.

Topics will include:

- Communication and Teamwork
- Manufacturing 101, measurement and manufacturing math
- Understanding basic quality assurance
- Learn basic blueprint reading
- Practice and demonstrate workplace skills

Learn Job Readiness Skills including interviewing techniques TODAY!

GRCC | grcc.edu/WorkforceTraining

Leslie E. Tassell M-TEC
622 Godfrey Ave SW, Grand Rapids, MI 49503
Phone: (616) 234-3400 Email: ebrown@grcc.edu



COST: \$35.00

REGISTRATION:
grcc.edu/WorkforceTraining

- **Must be 18 years old**
- **High School Diploma or GED is required.**
- **Bring your own lunch!**

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LESLIE E. TASSELL M-TEC

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Grand Rapids, MI 49503

A photograph of a man in a factory setting. He is wearing a black hard hat with a silver headband, safety glasses, and a brown work jacket. He is smiling and looking towards the camera. The background is a blurred industrial environment with various machinery and equipment.

Without **you**, we can't build the
workforce you need.



You hear it every night on the news, our future workers are not getting the education real businesses need.

This is about to change!

Through the **Michigan Coalition for Advanced Manufacturing (MCAM)** grant, eight Michigan community colleges are working together to build capacity to *meet the needs of manufacturing employers for current and future workforce.*

We need your help! In order to prepare future employees for future jobs, we are looking for your input in areas including; curriculum, equipment, internships, job shadowing, and company site visits.

Our goal is to expand the workforce pipeline with employer driven, student recruitment into manufacturing.

Four Main Curriculum Areas

- Welding
- Machinist – CNC
- Multi-Skilled Technician (Mechatronics, Industrial Maintenance)
- Manufacturing Production & Assembly

MCAM Provides

- In-take assessments (National Career Readiness Certificate, ACT WorkKeys Talent & Fit Assessments)
- Student career plan development
- Expanded career coaching
- Expanded career preparation courses (resumes, interviews, on-line applications)
- Build placement activities at colleges.

If you would like to find out more information or are interested in participating in any way, please contact

Erica Brown: ebrown@grcc.edu or

Julie Parks: jparks@grcc.edu or

call (616) 234-3400.

We appreciate any input or time you have to share.



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