



TECHNOLOGY

Manufacturing and Energy Careers



ADVANCED MANUFACTURING

What does it take to be a modern “Maker?”

The new generation of manufacturers are creative and curious problem solvers on the bleeding edge of technology.

They **imagine, build and innovate** at the lightening speed of changing markets. They propel us into once-unimaginable 3-D printed futures. From welding to the “internet of things,” manufacturers build the world around us.

A career in manufacturing is a **smart path to a secure future**. Local manufacturers are providing more training and development, increased benefits and higher starting salaries.*

Manufacturers make a difference in our economy. It is **OUR region’s most vital industry**, providing an estimated 17,500 jobs and a \$2.1 billion impact on Berrien, Cass and Van Buren Counties.

Manufacturing needs you. You need LMC to get you ready.

One-third of southwest Michigan manufacturers say they don’t have enough skilled applicants for open positions.**

*Kinexus 2016 Manufacturing

** Herald Palladium, “Survey: Manufacturing sectors in need of more applicants,” by Tony Wittkowski, 7/20/16



ENERGY

Whether you're new to the energy industry, or a currently working professional, Lake Michigan College offers credentials that can **propel your career to the next level.**

As energy demand grows in the United States, the career outlook is bright for highly skilled professionals who can run and manage a wide range of power-producing operations. Start with a certificate, and you can begin **earning while you learn** at area production facilities. An associate's degree will provide you with a strong technical background in energy production. You can even continue at LMC and earn a Bachelor of Applied Science in Energy Production & Distribution Management to develop the leadership skills necessary for success in a variety of settings within the power-production and distribution industry.

If you have experience working in the energy industry, you may be able to **receive college credit** for the energy production and distribution skills you developed in your private sector professional career or if you are a veteran who has worked in an energy-related military job.

As much as
35% of the
local nuclear
energy
workforce is
expected to
retire over
the next
10 years.*



*Nuclear Energy Institute



Cook Nuclear Plant



Palisades Power Plant



New Covert Generating Facility



Zeeland Generating Station

LMC

At Lake Michigan College, you will receive hands-on training that you will use **your first day on the job**. You can take classes you're interested in right away with experienced faculty and staff who understand the industry.

The Hanson Technology Center is the new home of the manufacturing, energy, and technology programs at LMC. From the simulation classroom and fabrication labs to the robotics and welding floors, you'll have access to **high-tech, real-world equipment** that you will use on the job.

LMC offers the lowest tuition of any college in southwest Michigan. Earning your degree locally will **save you thousands** on your first two years if you plan to transfer to a university.

Get started on your associate's degree or a certificate before you've even graduated from high school with the **LMC Early College option**. Talk to your school counselor for details!

CONNECTIONS

Lake Michigan College works with **industry experts** to make sure that graduates are getting the right training to be immediately employable. Many area businesses send their employees through LMC's apprenticeship program to ensure that they are prepared with the knowledge and skills to work with the most current equipment and technology.

As an LMC graduate, you will have a certificate or degree trusted by local employers, as well as connections that will help you find a job in your field.

"We're proud to partner with LMC in educating young men and women in the skilled trades/manufacturing programs. We hire some of the best young talent in the area and LMC does an excellent job of co-training our apprentices."

MIKE LEVI
EAGLE TECHNOLOGIES

"When I was a kid I always liked legos and building, so it was a natural transition to big machines. At LMC, I took a lot of classes based on what I actually do. It was all based around the industry, and all taught by people who were in the industry or previously in the industry."

KYLE ROTH
EDGEWATER AUTOMATION
LMC ALUMNUS

SOME OF OUR ADVISORY COMMITTEE MEMBER BUSINESSES



Scholarships Available!

Visit lakemichigancollege.edu/scholarships to learn about the Williamson Employment Services Skilled Trades Scholarship and other ways to help make college more affordable.



BUILD YOUR CAREER

LMC offers the chance to get a specialized certificate that will launch your new career within a year.

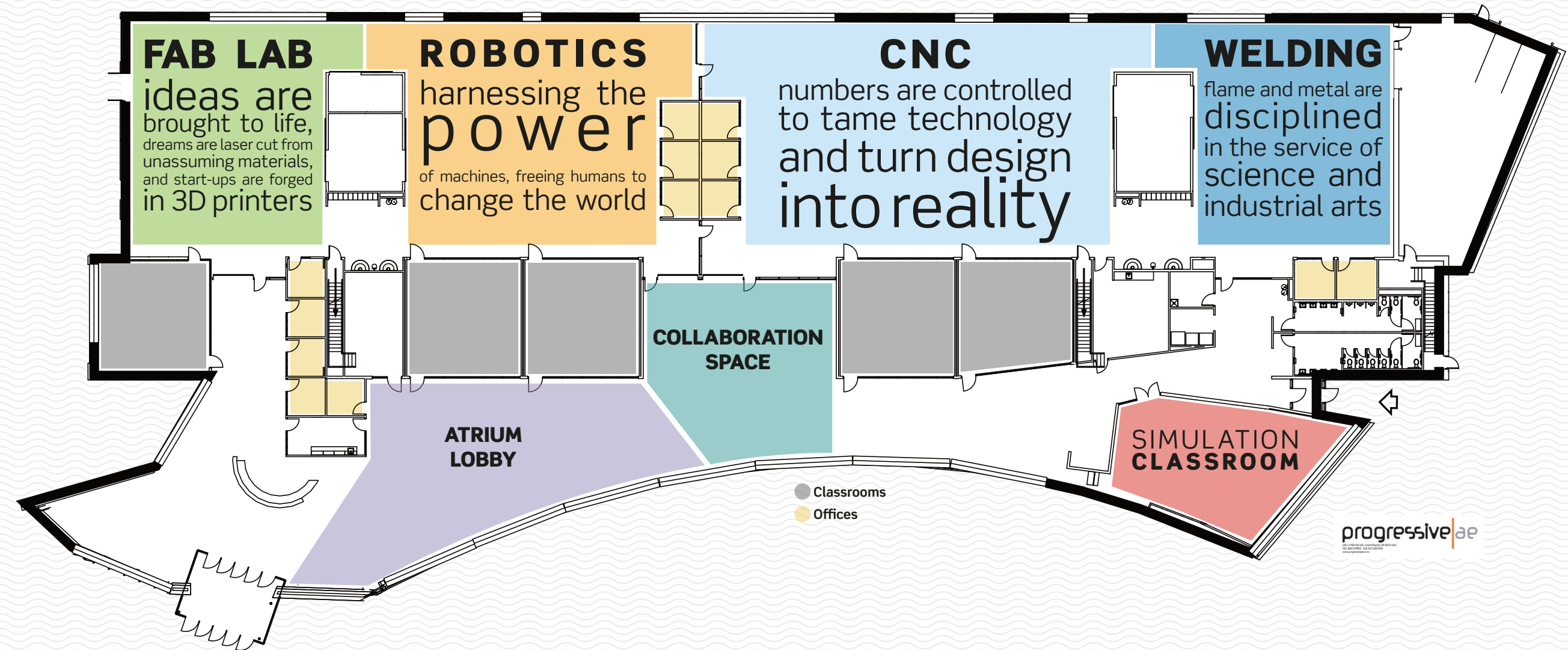
When you're ready, keep taking classes for an associate's degree, and continue to work if you need to. As you add to your foundation of skills and knowledge, you'll be qualified for positions with more responsibility.



DR. KENNETH FLOWERS,
Dean of Career and
Workforce Education,
Class of 1991

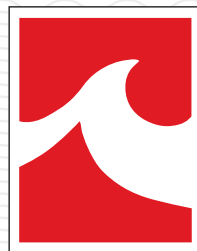
"Although I recently earned a PhD in Educational Leadership, completing the Moldmaking apprenticeship program at LMC in 1991 is my proudest academic achievement. Successfully finishing this certificate provided the foundation for the great career opportunities I have had."

HANSON Technology Center



BUILD YOUR CAREER AT LAKE MICHIGAN COLLEGE

CHOOSE A FIELD		GET A CERTIFICATE START YOUR CAREER WITHIN A YEAR	WHEN YOU'RE READY, KEEP GOING FOR AN ASSOCIATE OF APPLIED SCIENCE (AAS) OR BACHELOR OF APPLIED SCIENCE (BAS) AND ADVANCE YOUR CAREER
WELDING Welders are employed in a variety of industries, including construction, manufacturing, and utilities. LMC offers education & training in the current welding and cutting technologies.	WELDING PRODUCTION TECHNOLOGY	Certificate (17 credits)	Welding Production Technology AAS (60 credits)
MANUFACTURING/ENGINEERING TECHNOLOGY Students in the new Engineering Technology program will learn product design principles, materials, and manufacturing processes. Graduates will be prepared to assist and support engineers with projects and research and development.	MACHINE TOOL TECHNOLOGY	Certificate (24 credits)	Machine Tool Technology AAS (61 credits)
	MANUFACTURING PRODUCTION	Certificate of Achievement (34 credits)	
	MECHATRONICS TECHNOLOGY	Certificate (16 credits)	Mechatronics Technology AAS (61 credits)
	ENGINEERING TECHNOLOGY		Engineering Technology AAS (70 credits)
APPRENTICESHIP/GENERAL TECHNOLOGY Many local industries trust LMC with the training of men and women enrolled in formal apprenticeship programs. The General Technology program may also be appropriate for students who are not yet employed, but are seeking a career in the manufacturing industry. These courses should be planned with input from an LMC advisor.	SKILLED TRADES	Certificate of Achievement (30 credits Minimum)	Skilled Trades AAS (60 credits)
			General Technology AAS (60 credits)
ENERGY The energy programs offer practical theory and hands-on training in the energy production industry. Graduates may be qualified for a career as a line worker, or as a technician or manager in the energy production industry.		Line Worker Certificate (36 credits)	Energy Production AAS (63 credits)
		Energy Production/HPRP AAS (64 credits)	
		Bachelor of Applied Science (120-122 credits)	



LAKE
MICHIGAN
COLLEGE®

CAMPUSES

Benton Harbor

2755 E. Napier Avenue
Benton Harbor, MI 49022

Niles

1905 Foundation Drive
Niles, MI 49120

South Haven

125 Veterans Boulevard
South Haven, MI 49090

VISIT

lakemichigancollege.edu/technology

CONNECT



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