



About MAP+

An American Apprenticeship Initiative Grant

A partnership between Macomb Community College and Grand Rapids Community College to develop apprenticeship career pathways, MAP+ will work with high schools and others to provide pre-apprentice and apprenticeship training, employer/student matching, special events and outreach, associate degree attainment and four-year transferability options. Macomb Community College will focus on manufacturing (CNC machining, tooling, die, mold, welding, industrial maintenance, etc.) as well as supporting other traditional apprenticeship areas (construction, climate control, etc.). Grand Rapids will also include a focus on the information technology sector. MAP+ will work with area employers to increase the number of apprenticeships in the Macomb and Grand Rapids areas and beyond.

Benefits

Employer

- Increased productivity: Motivated and highly trained employees produce superior products, have better work habits and fewer absences.
- Enhanced employee safety—classroom study coupled with on-the-job training helps employees better understand their duties and the accompanying risks.
- Reduced employee turnover—Employees see their time and energy spent in the classroom as a long-term investment in their careers.

Employee

- Paid employment during practical on-the-job training while earning college credit.
- Credits earned can be applied toward an Associate of Applied Science Degree at Macomb Community College.
- Learning skills most needed by employer increases value.

Funding Sources

- Federal Resources Playbook
- Michigan Resources Playbook
- Skilled Trades Training Fund

For more information, please contact:

Applied Technology & Apprenticeship Department
586.445.7438 or apprenticeship@macomb.edu

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Program Areas of Specialty

Advanced Manufacturing

- CAM (Computer-Aided Manufacturing) Technologist
- CNC Machinist
- Electric Vehicle Development Technician
- Electrical Industrial Maintenance
- Industrial Hydraulics
- Industrial Production Technician (Industrial Manufacturing Technician)
- Machine Repair
- Maintenance Mechanic-Industrial
- Millwright
- Mold Maker-Plastic and/or Die Cast
- Plastic Process Technician
- Quality Fundamentals
- Robotics (includes FANUC certification)
- Stationary Steam Technician
- Sheet Metal Model Maker
- Tool and Die Maker
- Welder-Basic
- Welder-Advanced

Construction

- Carpenter
- Electrical-Construction Maintenance
- Maintenance Mechanic-Building
- Plumbing and Pipefitting



Programs available include:

Apprenticeship

Apprenticeship programs combine on-the-job training with theoretical and practical classroom and lab instruction to prepare highly skilled workers for industry. Individual employers as well as joint apprenticeship committees set employment standards, register apprenticeship programs with the Department of Labor (DOL) and employ apprentices in their respective trades. Upon completion of an apprenticeship program, the apprentice is awarded a DOL certificate and a Macomb Community College Certificate of Apprenticeship, signifying that he or she is a skilled craftsman or tradesperson.

Employee-in-Training

Employee-in-training programs also combine on-the-job training with theoretical and practical classroom and lab instruction to prepare highly skilled workers for industry, but they are solely regulated by the individual employer. Employee-in-training programs often follow or are based on the

same educational plans as the apprenticeship programs, but they offer the employer a greater degree of flexibility in terms of course selections and specifications of on-the-job training. Upon completion of an employee-in-training program, the employee is awarded a Macomb Community College Certificate signifying he or she is skilled in the particular craft or trade designated by the employer.

Other Workplace Solutions

Internships and summer jobs are temporary positions emphasizing on-the-job training rather than merely employment, and they can be paid or unpaid. Internships provide the opportunity for real-life job training and can even lead to full-time jobs. College students, meanwhile, often receive class credit for internships. Employers can use internship programs to scout out new talent and get temporary help without committing to permanent new hires.



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